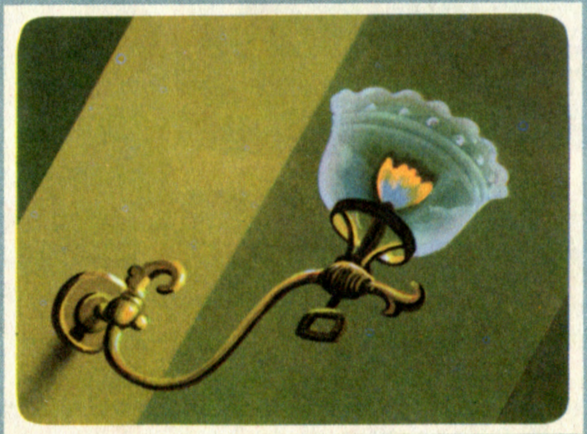
electrical living

ADAPTED FROM THE FILM "THE DAWN OF BETTER LIVING" by WALT DISNEY PRODUCTIONS

Tomorrow has always held a promise. Our grandfathers, and their fathers before them, all looked to the far horizons and dreamed of a great day coming . . . a new and better way of life. Our mothers, our grandmothers and their mothers before them . . . they dreamed, too, of an easier, more pleasant, more comfortable way of living. So, when we find ourselves dreaming of our tomorrow, we're just putting new pictures into the oldest frame in the world.

Copyright 1945, Westinghouse Electric Corporation

Let us stop here . . . and follow that dream up through the years . . . as it applied to one particular piece of ground . . . and the people who lived on it. It began when the first settler felled the trees and cleared the ground which, three centuries over the horizon, turned out to be 420 North Elm Street. This spot won't be cleared until after the "Horseless Carriage" is born.



The man made the farm. The woman made the home. It was a time of hardship, of infinite drudgery. But they were free . . . free to work, to worship . . . to build a better tomorrow for those coming after them. Here a pine *torch* gives enough light for people who live by the sun.

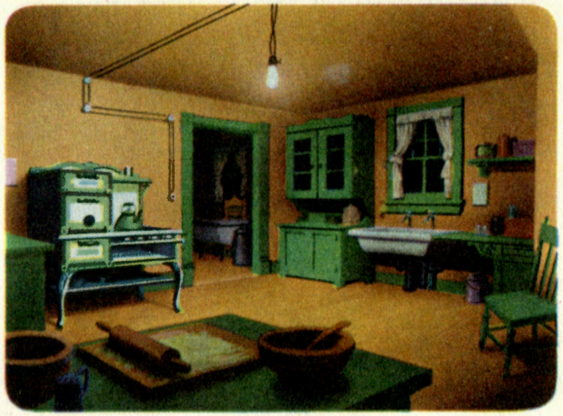
More than a century has passed, leaving progress in its train. We don't have to wash our clothes in the creek any more . . . and tallow candles give a blaze of light. Later, a medicine-show "doctor" discovered that the rock oil he sold as a cure for all ills . . . would burn! Brightly enough to light the way to . . .

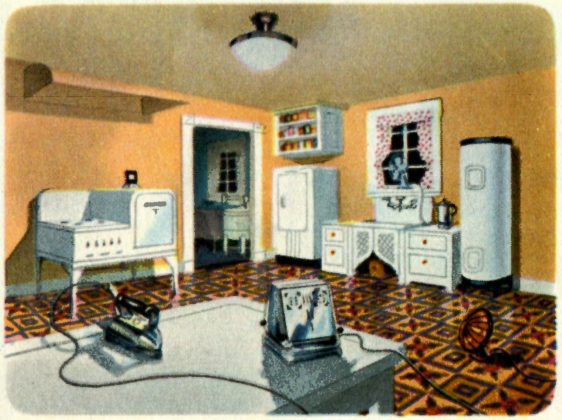
. . . the gay nineties. I wonder if grandma called them gay? With the immense hot stove, the carpet beater, the steaming washtub and back-breaking sadiron. Pine torches, to tallow candles, to kerosene lamps. And now, gas lights — they had lighted our homes, but *hadn't lightened our work!*

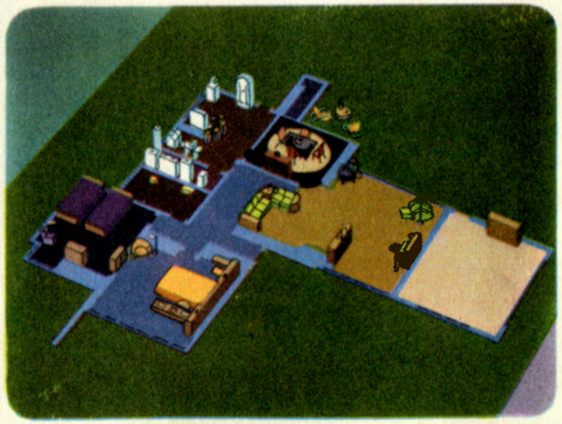
But in a few years came a real tomorrow that brought a new servant to the house . . . *electricity.* A servant who, to our eyes, wasn't very well trained as yet, but was glad to do any kind of work at all hours, and took on more and more jobs as the tomorrows flew by . . .

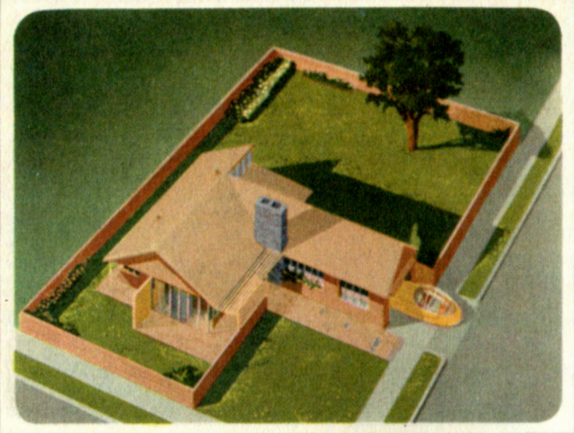
. . . until the day of the middle thirties. That new servant, electricity, is well trained now. It has learned to protect food, to roast, to toast, make coffee, to heat water, to wash clothes, to iron, to sew, to clean, to entertain, to cool, to heat, to condition air . . . *and now* . . .

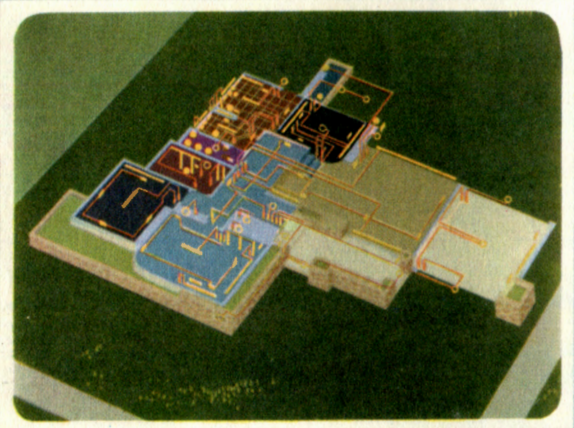
The time has come for us to dream of our tomorrow . . . of the job of better living . . . *Electrical Living* . . . in tomorrow's home. Of course, this isn't the home. It's just the things that go into it. We used to get a house first, then arrange our lives, furniture and equipment to fit it. Tomorrow will be different. Our design for living will be planned first.

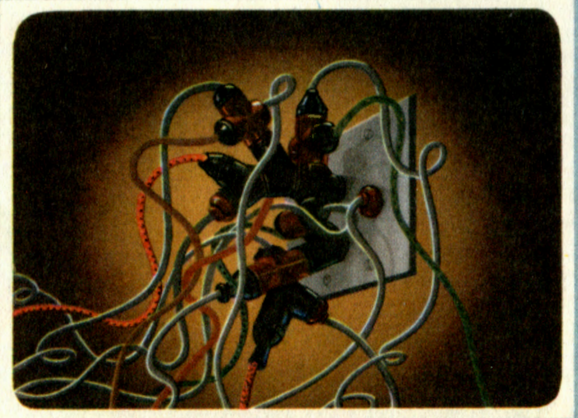










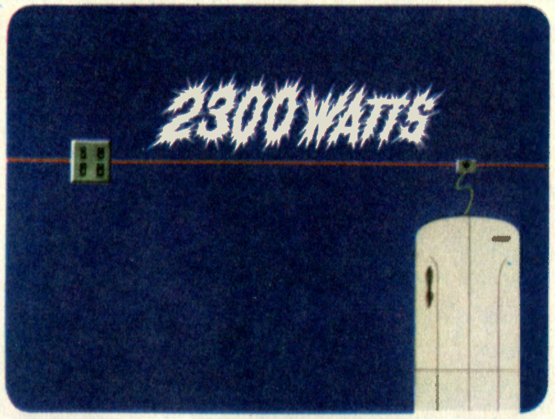


Our living equipment will be arranged exactly as we want to have it for absolute tops in comfort and convenience. The architect will wrap walls and a roof around it. Instead of suiting ourselves to a house . . . *the house will be suited to us*! It may look like this.

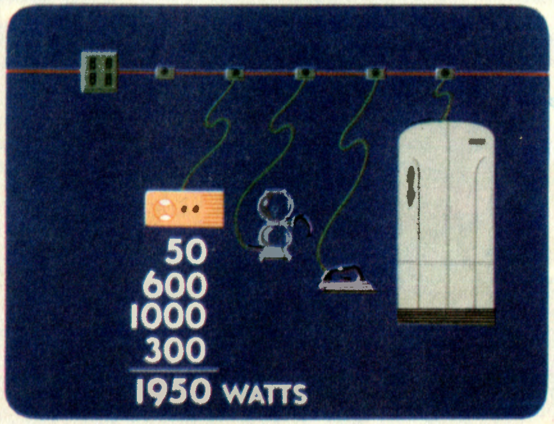
But whatever it looks like on the outside, inside it will be a house that works . . . a place which is planned to provide exactly the kind of living we want. For example, in this new home of ours, we'll be using so many more appliances that *yesterday's wiring system just won't carry the new load.* Electrical Living will call for Better Wiring.

Now, who wants a tangle of cords like this because there are not enough outlets? In your new house you will want plenty of outlets, conveniently located, to take care of all of your electric lamps and appliances. But this is only one step toward Better Wiring. *More electrical equipment and more outlets require more circuits.*

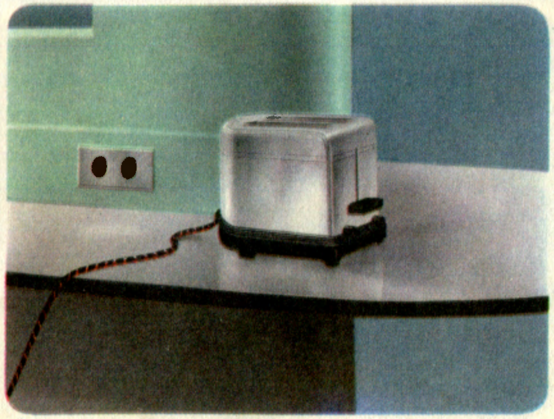
What is a circuit? Well, you know about watts. Watts are a measure of how much electricity an appliance needs. A circuit is a wire . . . hidden inside the wall . . . over which the watts travel to get to their work. Kitchen appliance circuits, for instance, are designed to carry 2300 watts.

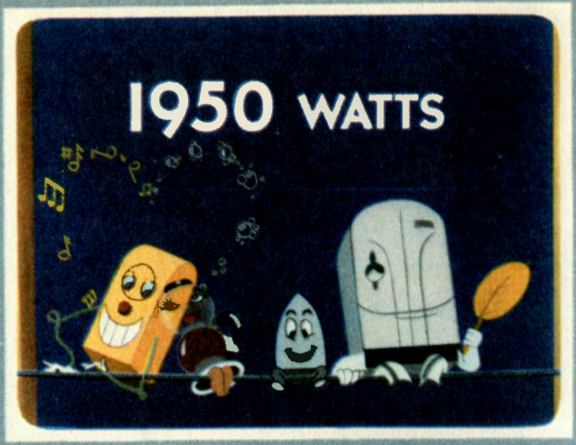


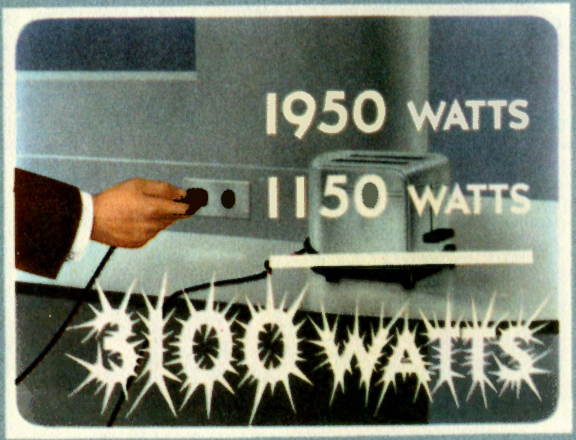
Suppose we plug a refrigerator into the circuit. It uses 300 of those watts. Now we plug in an iron . . . 1000 watts. Now the electric coffee maker . . . 600 watts . . . brings the total to 1900 watts. And a radio for entertainment while you work brings another 50 watts along the circuit road, making a total of 1950 watts.

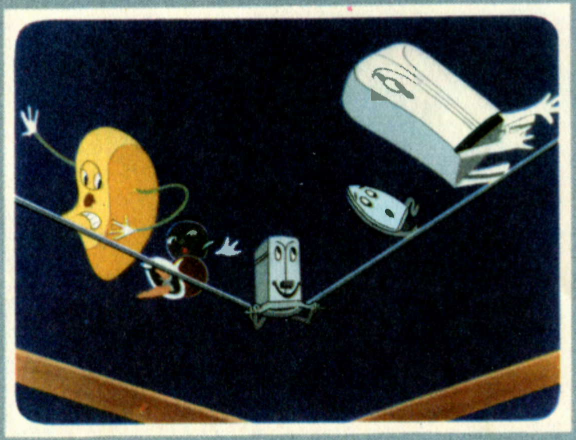


No problem so far, as the circuit will carry this load. But now you are approaching the capacity of the circuit. Remember, it was designed to carry 2300 watts. So . . . be prepared for trouble if you overload it . . . by adding this toaster, for instance.









← Here they are . . . the radio, the coffee maker, the iron and the refrigerator, going on happily with their work.

But you need the toaster. So you plug it in. Surely that won't make any difference. Oh no? But it does . . . it adds 1150 watts.

When the toaster bounced on the line, down it sagged. There is plenty of trouble.

There is too much load on the circuit. Look out, folks . . . something's going to happen.

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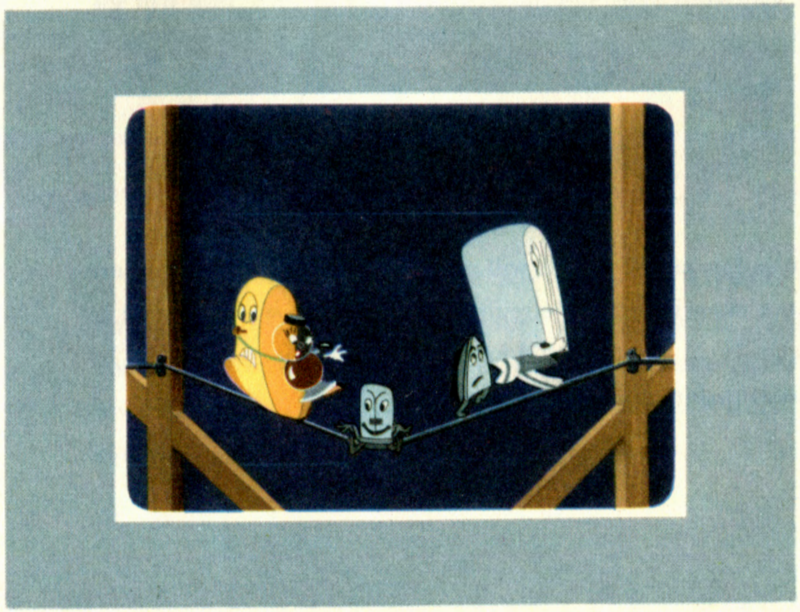

Hurry! Hurry! Better get off the line fast. It's going to "break". →

After all, it was only designed for 2300 watts. Now the load is 3100 watts.

Sure enough! The circuit "broke". But what could you expect with such an overload?

With Better Wiring you won't need to worry. You'll have enough outlets and . . . more important . . . enough circuits to carry the load.

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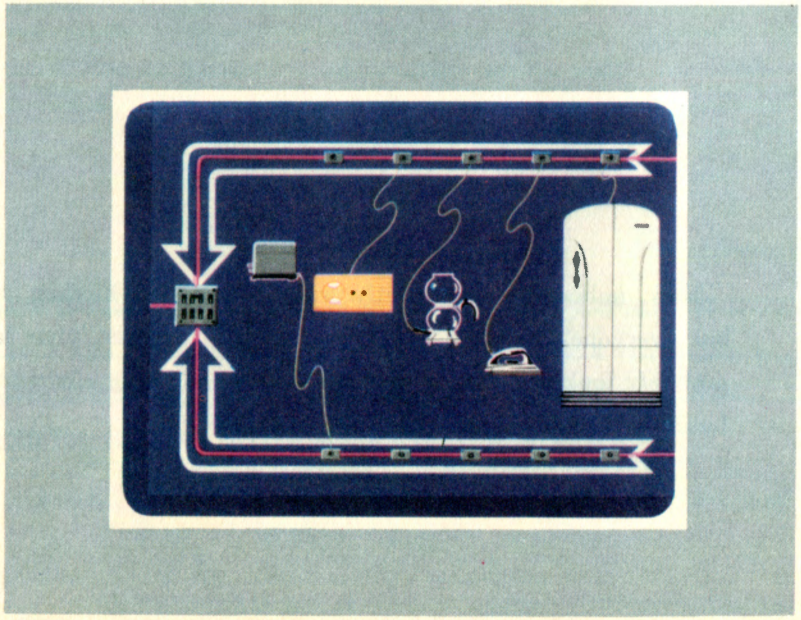
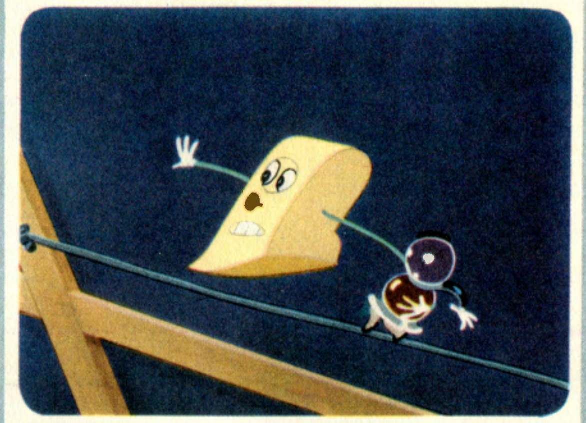
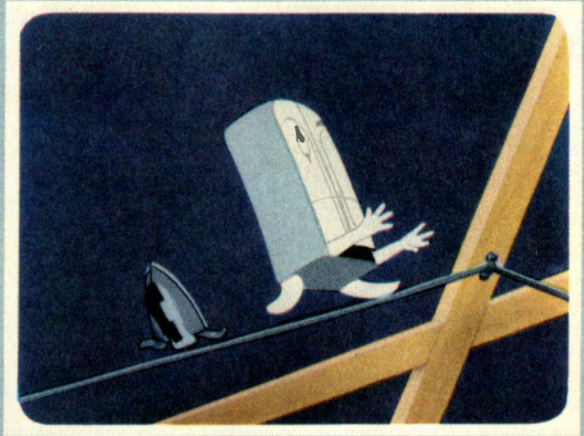
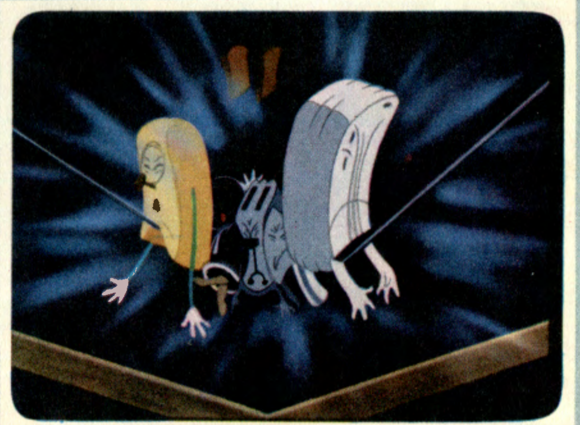
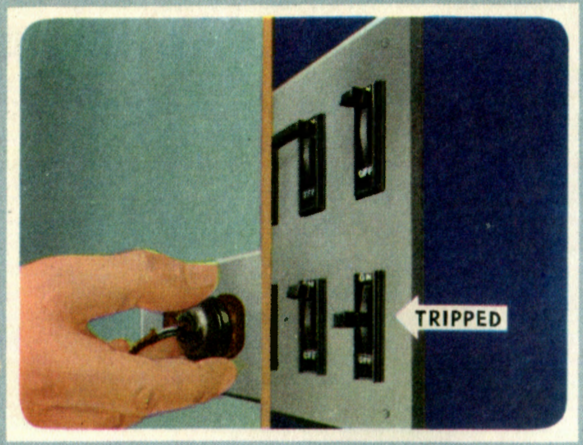
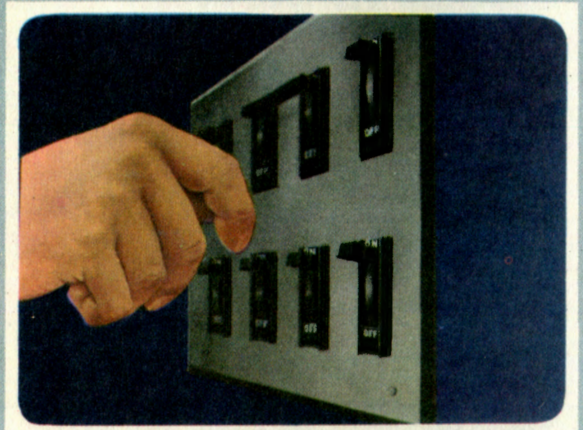


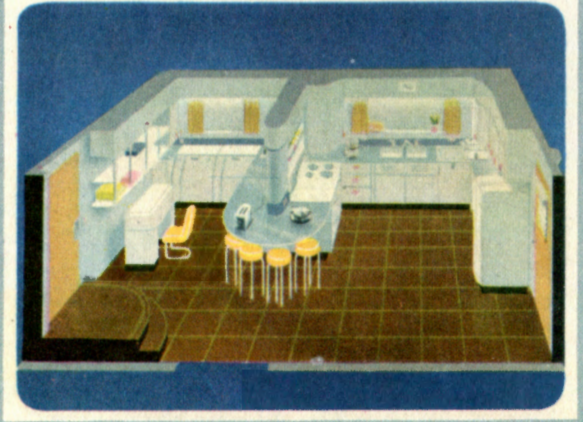












In tomorrow's home, your circuits will be protected by a *circuit breaker*. When an overloaded condition exists, one of the little handles trips . . . and cuts off the current from the overloaded circuit . . .

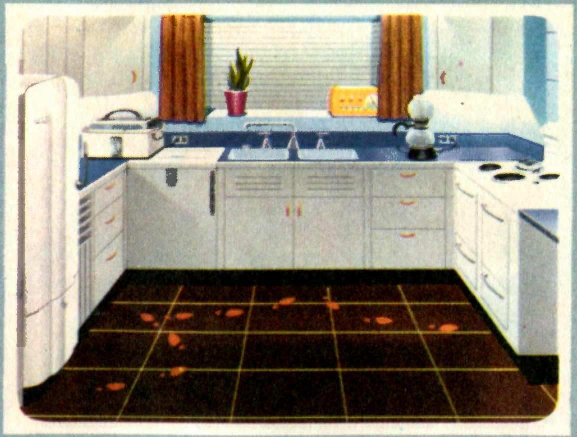
. . . until the overloaded condition is corrected. To restore service, just flip the handle . . . and presto! Service is restored! Yet . . . you're still protected against the next emergency. *It's as simple as that.*

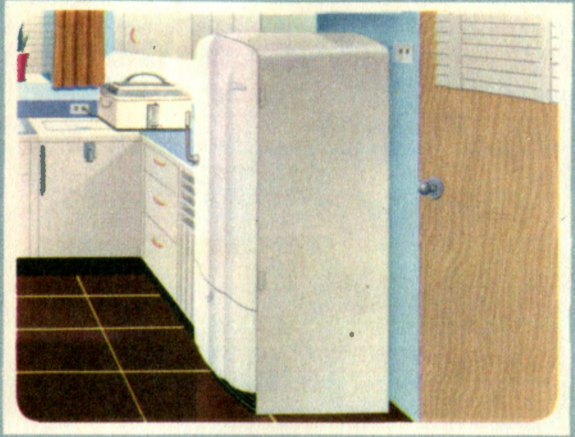
Now, nobody knows exactly what tomorrow's kitchen will be like, but everyone has ideas. The chances are, however, your kitchen will probably look something like *this* . . . a *completely electrified* Kitchen-Laundry Combination.

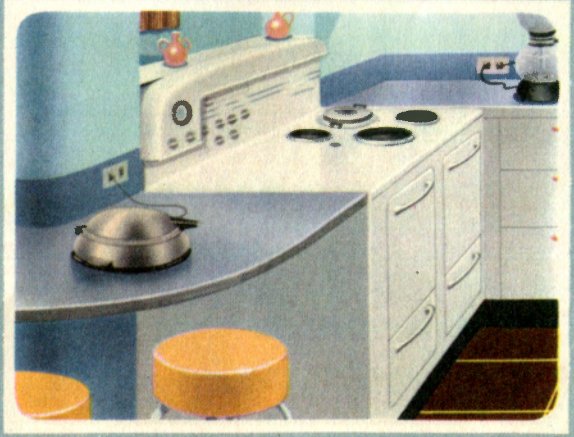
Notice how few steps the housewife must take in going from refrigerator . . . to the sink and dishwasher . . . and to the range. You'll save miles and miles of steps.

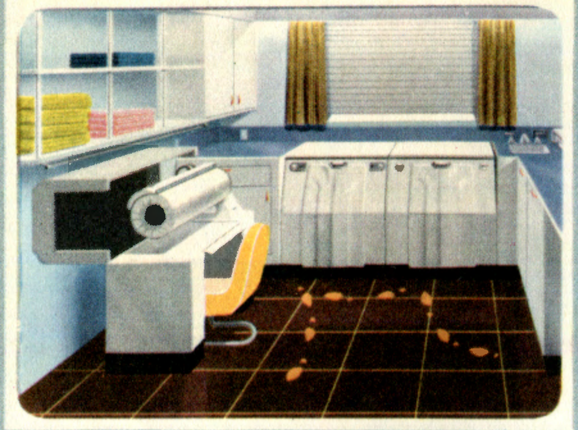
Your refrigerator will have ample space and proper temperatures for storing all perishable foods . . . including frozen foods. Adjoining the sink will be an electric dishwasher that washes, rinses and dries dishes automatically.

You'll have the latest in electric ranges, so automatic you can put a meal in to cook and forget it. The kitchen will also include a ventilating fan to remove odors . . . a garbage disposer and all of the latest appliances that make up the complete electric kitchen.

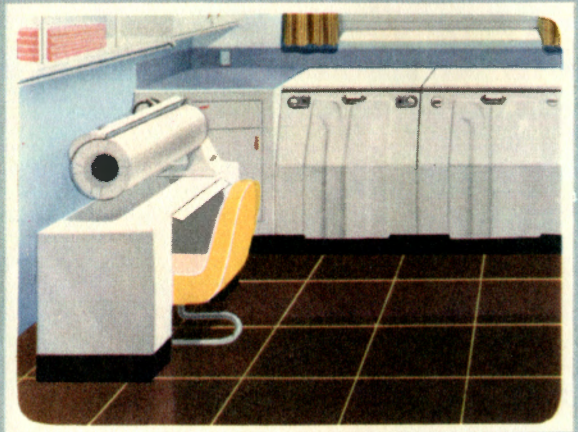






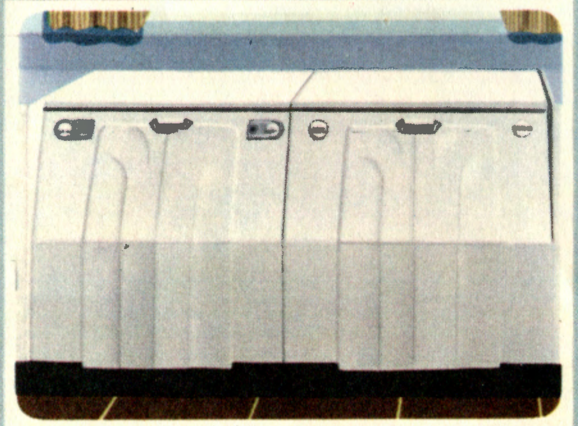


And here is a laundry that takes the work out of washday. It could be a separate room, of course, but here it is combined with the kitchen. Notice again, how few steps must be taken . . .



The *Laundromat** washes your clothes almost by itself. Put in the clothes . . . set the dials, add soap . . . and forget the whole problem. When the washing, rinsing and damp-drying are completed, the Laundromat shuts itself off, automatically.

*Trademark Registered U. S. Pat. Off.

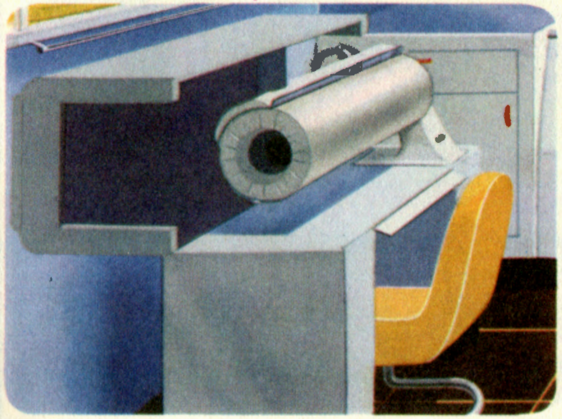


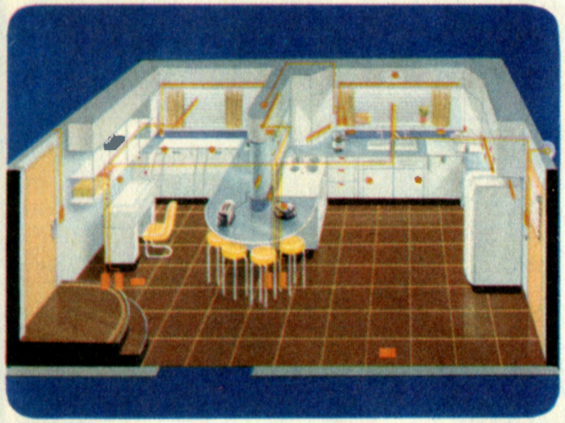
. . . and you then place the clothes in its twin . . . the electric dryer. Here, they are tumbled about in heated air till they are completely dry, soft and fluffy, and then this machine shuts itself off, automatically . . . clothes are then ready for ironing.

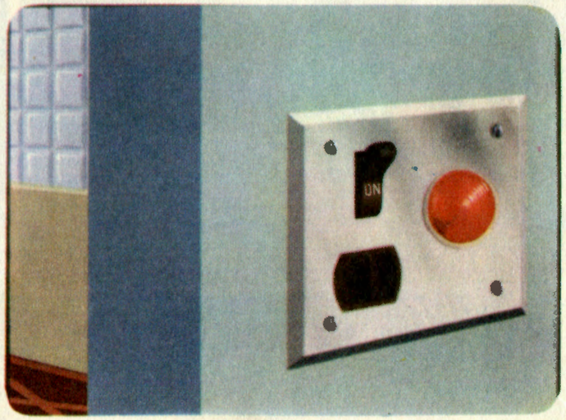
The electric ironer is beside the clothes dryer. Here you sit as you guide the clothes through the ironer . . . a simple and easy operation. No more ironing fatigue.

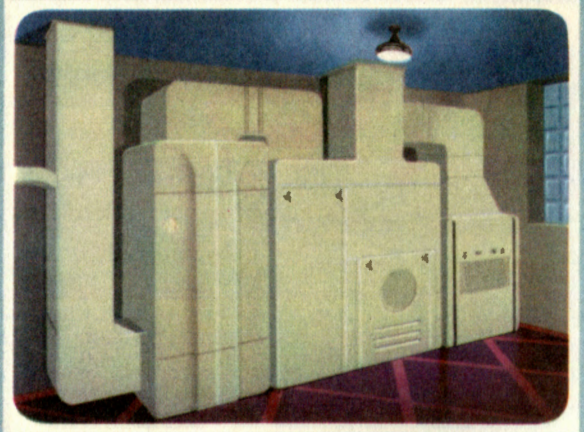
Yes . . . electricity is really going to work for you. More appliances than you ever used before; hence, the need for planning more circuits. In a Kitchen-Laundry Combination such as this, you will need seven circuits. But a kitchen is only one room. Tomorrow, electricity is going to work for you all over the house.

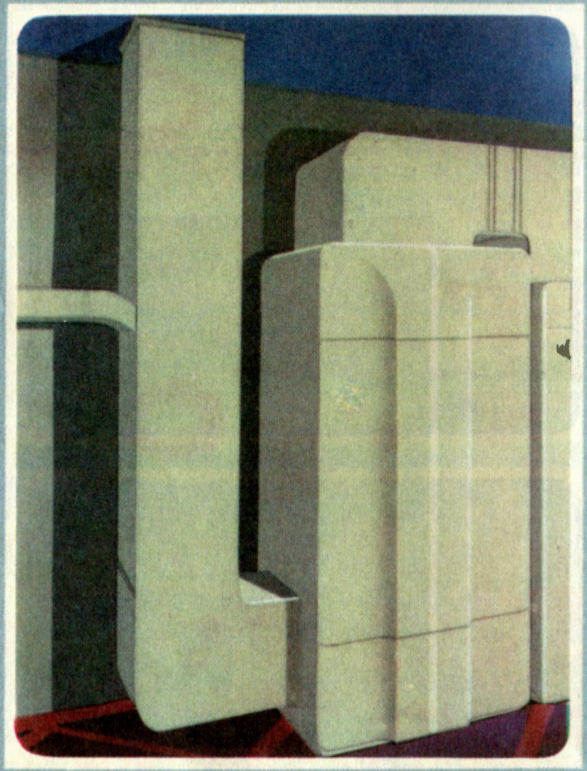
You'll use progressive switches . . . to turn on the lights ahead as you go from room to room. You'll plan switches in every spot where your hand would naturally reach for them. *This one is a telltale* . . . to show you when lights have been left burning.









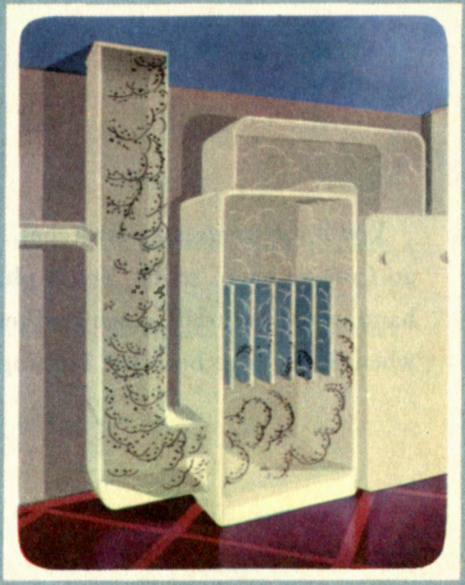


Here is the Utility Room, where heating and cooling units provide healthful, comfortable, year 'round air conditioning. Automatic controls keep temperature and humidity at desired levels throughout the home. Placed within the path of the air return to the heating unit is . . .

. . . the Precipitron*, to minimize endless chasing of dust and dirt and improve family health. Draperies, rugs, furniture and clothes all stay clean longer by the use of this electric air cleaner, which removes air-borne particles down to fine tobacco smoke. There are no moving parts. It operates silently, with complete thoroughness.

*Trademark Reg. U. S. Pat. Off.

Here, the returning dust and dirt-laden air from the rooms mixes with the fresh air from the outside; then enters the Precipitron, leaving the dirt particles clinging to electrically-charged plates, as the clean air continues on through the heating and cooling units . . . and back into the rooms. This Utility Room operates from four circuits.

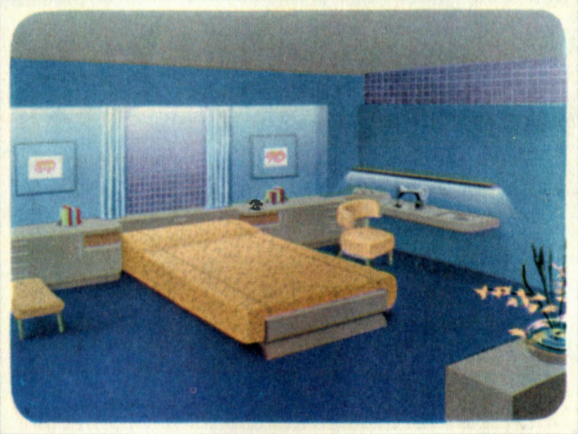


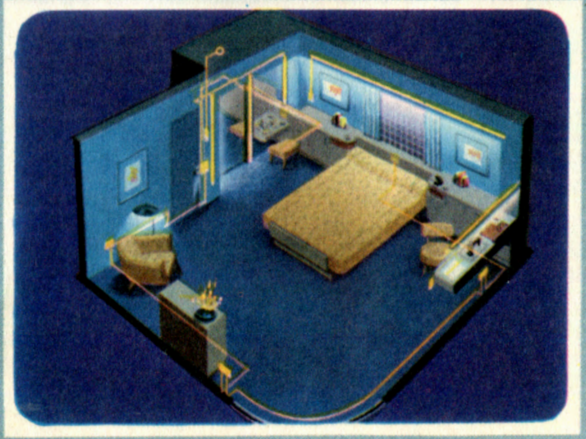
Of course, there will be the new *home freezer* for fast freezing and storage of fruits, vegetables and meats . . . and cooked foods, too. Just think what that can save you. It won't be at all unusual to top off your Christmas dinner with luscious, fresh-tasting strawberries from your own summer garden.

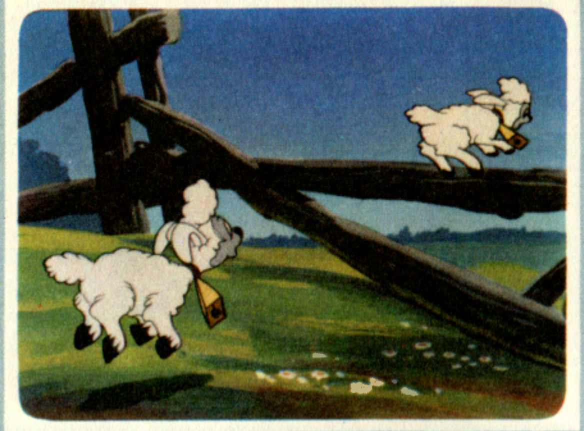
The bedroom will be a restful room in which you can dress, read or write, and it will be lighted for these various tasks . . . Fluorescent tubes for general illumination . . . lights at the dressing table, beside your easy chair, and fluorescent lamps over the sewing machine and . . .

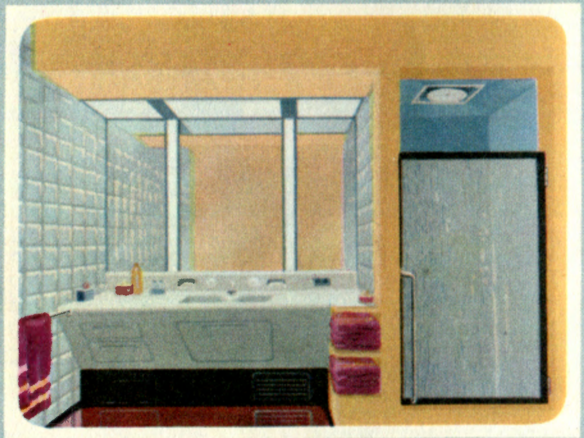
. . . under the glass top tracing table at the combination sewing machine and desk. Heating pads, curling irons, sun lamps, Sterilamp* and radio complete the picture. Few people realize the number of appliances used in the bedroom. But it is easy to see the need for an individual circuit here.

*Trademark Reg. U. S. Pat. Off.









Oh, yes . . . maybe even a built-in insomnia cure. If you can't sleep, just press a button . . . 101, 102, 103, one . . . hundred and . . . f-o-u-r . . .

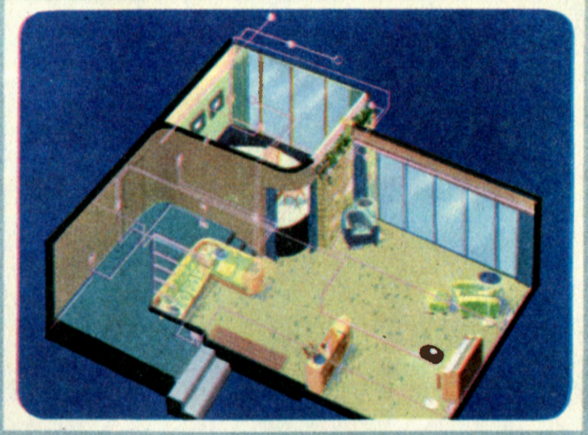
Lighting in the bathroom will center around the all-important mirror; will also provide your stall shower light with a vaporproof fixture. And, of course, sufficient outlets for electric razor and heater . . . so the bathroom, too, will require an individual circuit.

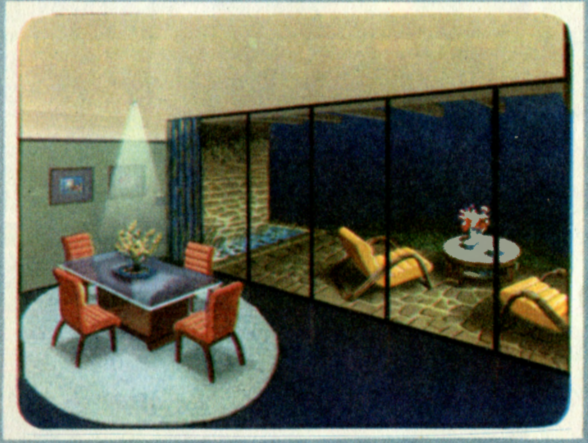
In the living room is where the new lighting will really come into its own. Notice the smart concealed lighting without glare. Radio and television bringing you the latest news . . . sports events . . . and even movies right in your home.

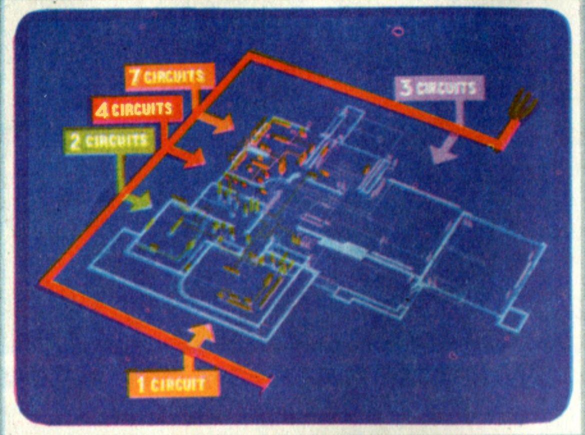
For the living room and dining room planned for Electrical Living, three circuits will be necessary . . . since we need ample lighting for reading, and will want decorative lighting for effect.

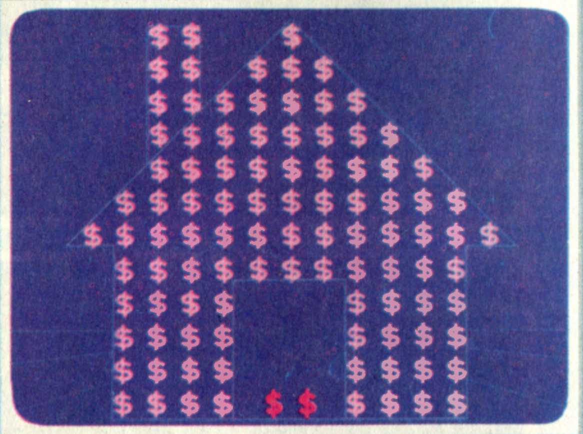
The dining space might be indirectly lighted from urns, valances or coves. A pinhole lighting fixture, recessed in the ceiling, accents the beauty of table settings . . . also, outdoor lighting for outdoor living.

. . . and the lawn will have projector lamps, floodlights and garden lights . . . lighted doors, house numbers, paths and driveway. Yes, living tomorrow is going to be *Electrical Living.*





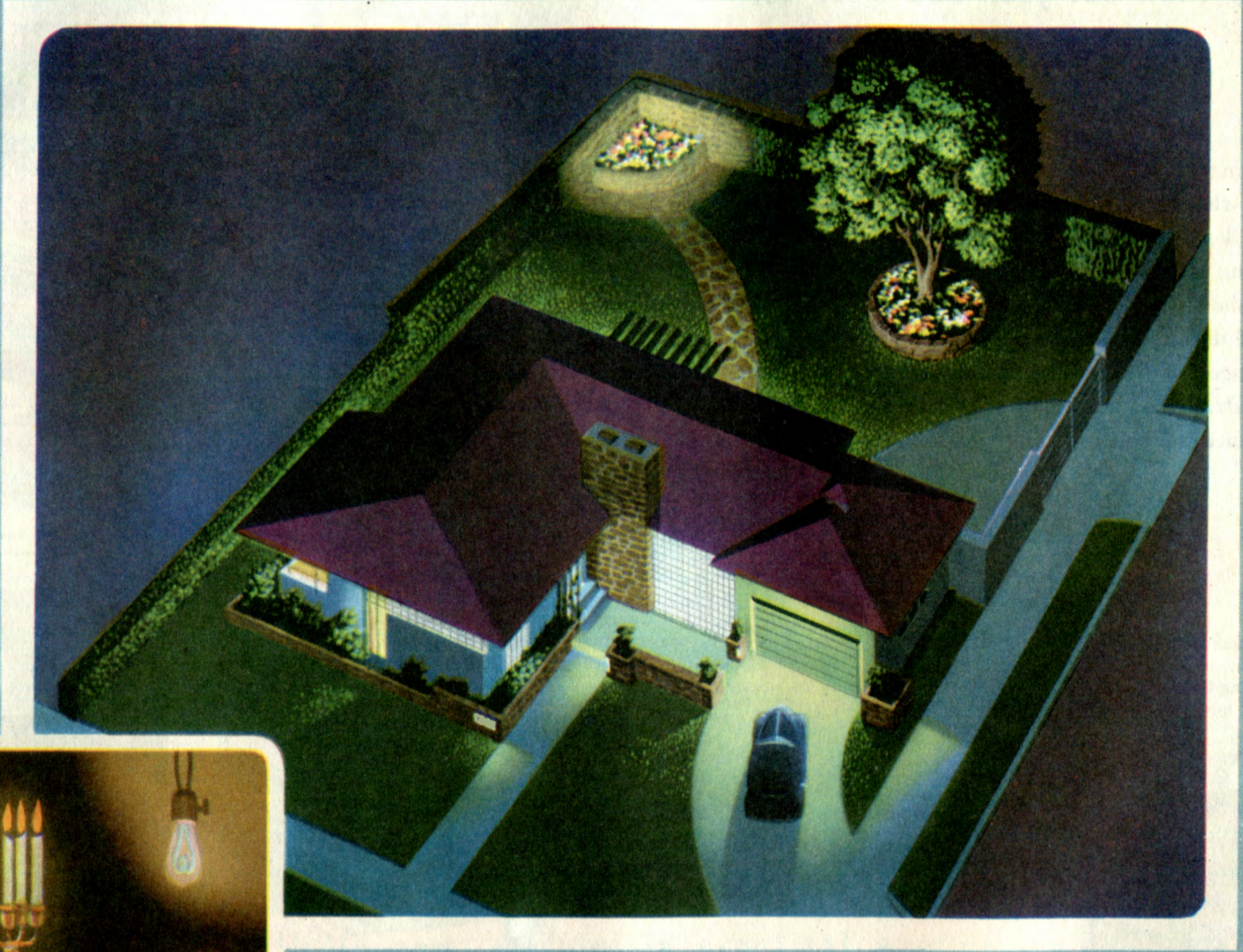


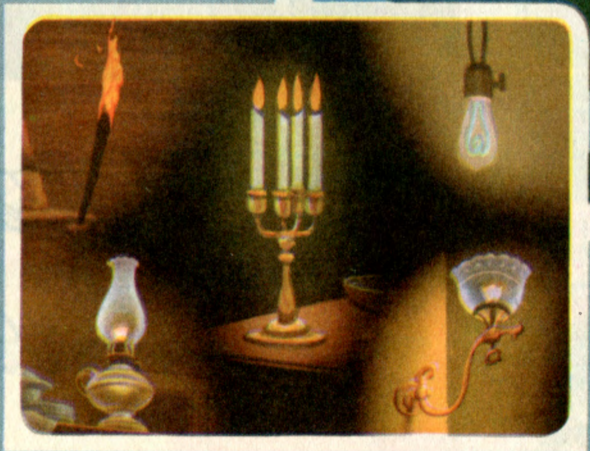


We'll have electrical servants to do almost every household job. That's progress! But progress must be planned for. So, today's homes must be brought up to date, and tomorrow's home must be planned to include the Better Wiring which permits Better Living. Whether your home is old or new, you'll want a *three-wire service* and *enough circuits* to distribute the electrical load properly . . . *enough outlets* for present and anticipated needs . . . *wiring and wiring devices of high quality.*

Is all this expensive? No, what little you spend for Better Wiring, you get back with interest. You'll have no expensive wiring additions after the house has been built . . . you'll have protection for your investment, banks will loan more, your house will have greater resale value and you will get improved service from your electric appliances.

Here's how much your house costs . . . and the two red dollar signs in the illustration show how little extra you'll pay for Better Wiring. It adds only about two percent to the cost of your home, at the time the house is being built . . . and brings you life-long dividends in comfort, convenience . . . easier housekeeping and more gracious living.





Yes, tomorrow has always held a promise . . . pine torches . . . to tallow candles . . . to kerosene lamps . . . to gas lights . . . to electricity. Now is the time to plan for our tomorrow . . . with its promise of Better Living . . . *Electrical Living* . . . in the days that are to come.

And now . . . Westinghouse suggests ways . . .

To help you work out your own ideas for

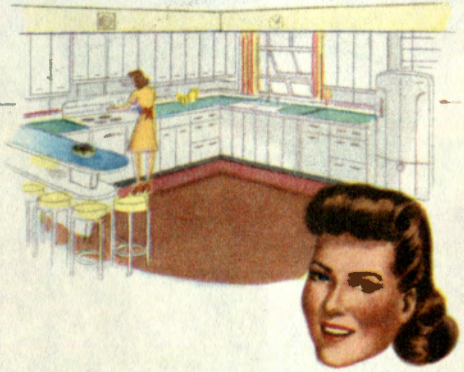
Electrical living

Electrical Living today is a vital part of every home, whether the architecture is modern or traditional. The design of modern electrical equipment is in keeping with any period.

In the rooms shown on previous pages, you have seen one type of decorative treatment for rooms. On following pages, a variety of treatments is shown to demonstrate that the appeal of Electrical Living will enhance the enjoyment of every room.

For example, in the kitchen and laundry there are endless numbers of shapes, sizes and color schemes that may be combined when designing rooms for any type or price class of home.

A number of designs, starting with the combination all-electric Kitchen-Laundry, are shown, with an explanation of the fundamentals of planning so you can work out your own ideas to secure the advantages of Electrical Living in your own home.



Time and energy saved in the kitchen and laundry give you greater opportunity to enjoy living. That is why time and money spent in planning and equipping them yield high returns.

Whether it's a workshop, study or recreation room, electricity plays a part in adding to the full enjoyment of your home.

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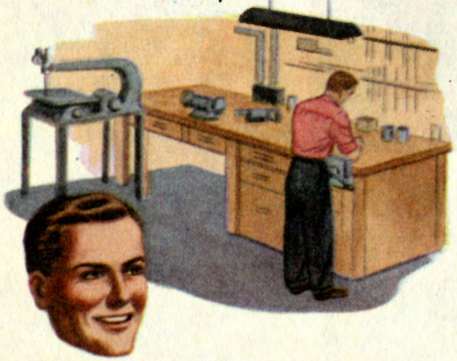
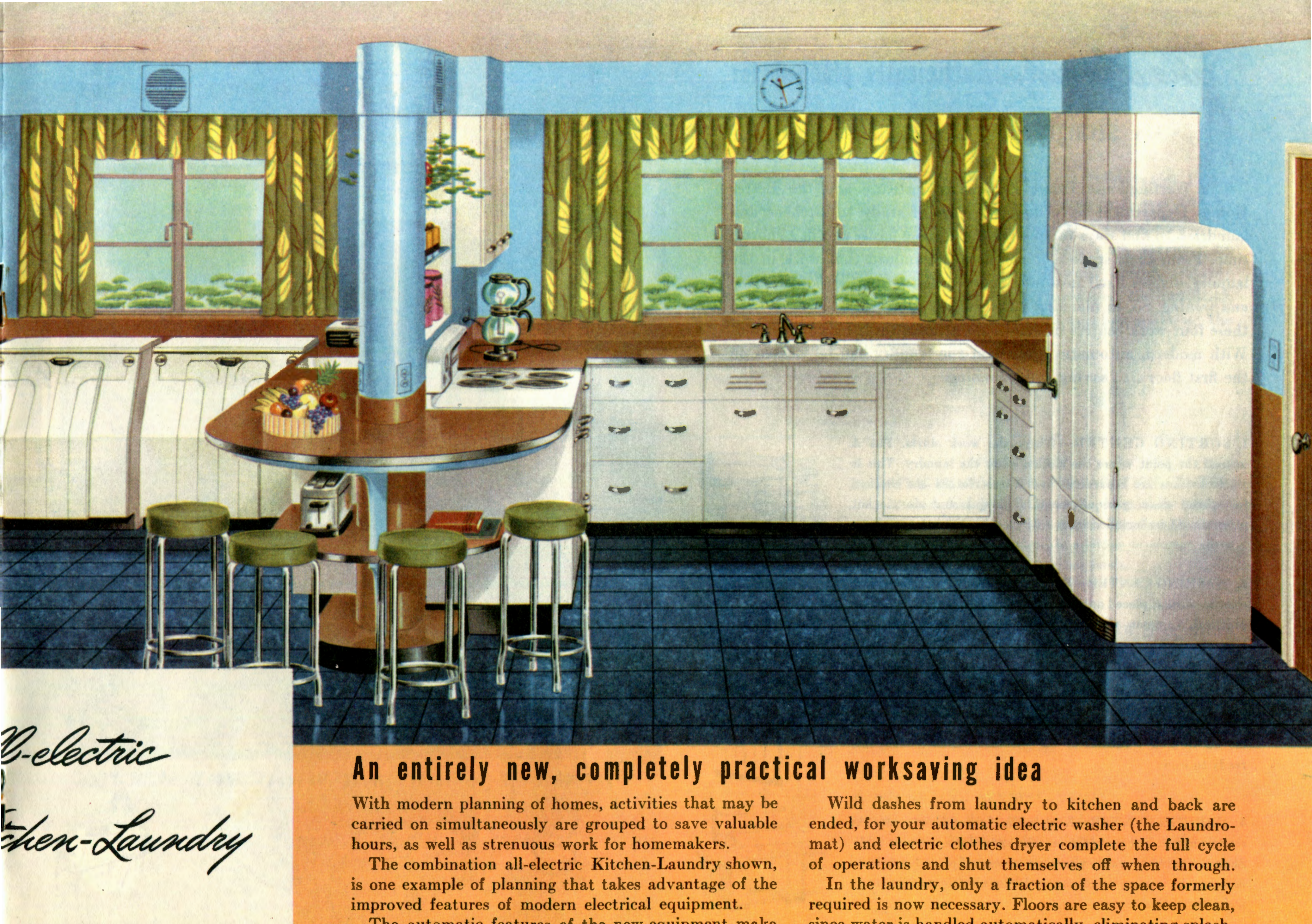


Boys learn at an early age that it's essential to have electricity handy . . . for an electric train, a movie projector or light for reading.

→

When adding glamour, modern glareless lighting is a necessity. Lighted closets help you find pretty frocks quickly.



l-electric
tchen-Laundry

An entirely new, completely practical worksaving idea

With modern planning of homes, activities that may be carried on simultaneously are grouped to save valuable hours, as well as strenuous work for homemakers.

The combination all-electric Kitchen-Laundry shown, is one example of planning that takes advantage of the improved features of modern electrical equipment.

The automatic features of the new equipment make it easy to carry on a number of jobs at one time.

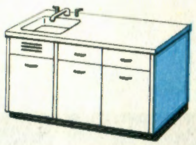
Wild dashes from laundry to kitchen and back are ended, for your automatic electric washer (the Laundromat) and electric clothes dryer complete the full cycle of operations and shut themselves off when through.

In the laundry, only a fraction of the space formerly required is now necessary. Floors are easy to keep clean, since water is handled automatically, eliminating splashing and dripping.

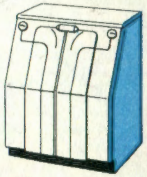
The Laundry...efficiently planned for straight-line production

The Westinghouse Home Economics Institute and the Better Homes Department have devoted years of study to kitchens and laundries, to find ways to do work there, more easily and in a shorter time. From their studies, it has been determined that work in the laundry divides itself into four major tasks: *sorting, washing, drying and ironing.* So, in planning your laundry, you will do well to keep these four work centers in mind, and arrange them for convenience. With modern, automatic equipment the laundry can be located on the first floor . . . saving stair climbing.

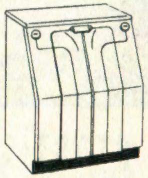
1. SORTING CENTER—Where the work starts. Put it nearest the point where the clothes enter the laundry. This is where clothes are separated, and where clothes are checked for special cleaning requirements. The sink and electric hot plate should be included here.



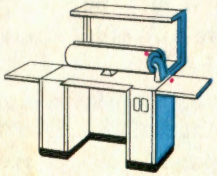
2. WASHING CENTER—Here you need only your automatic electric washer, placed adjacent to the sorting center. Wherever practical, common plumbing lines should be used for both kitchen and laundry.

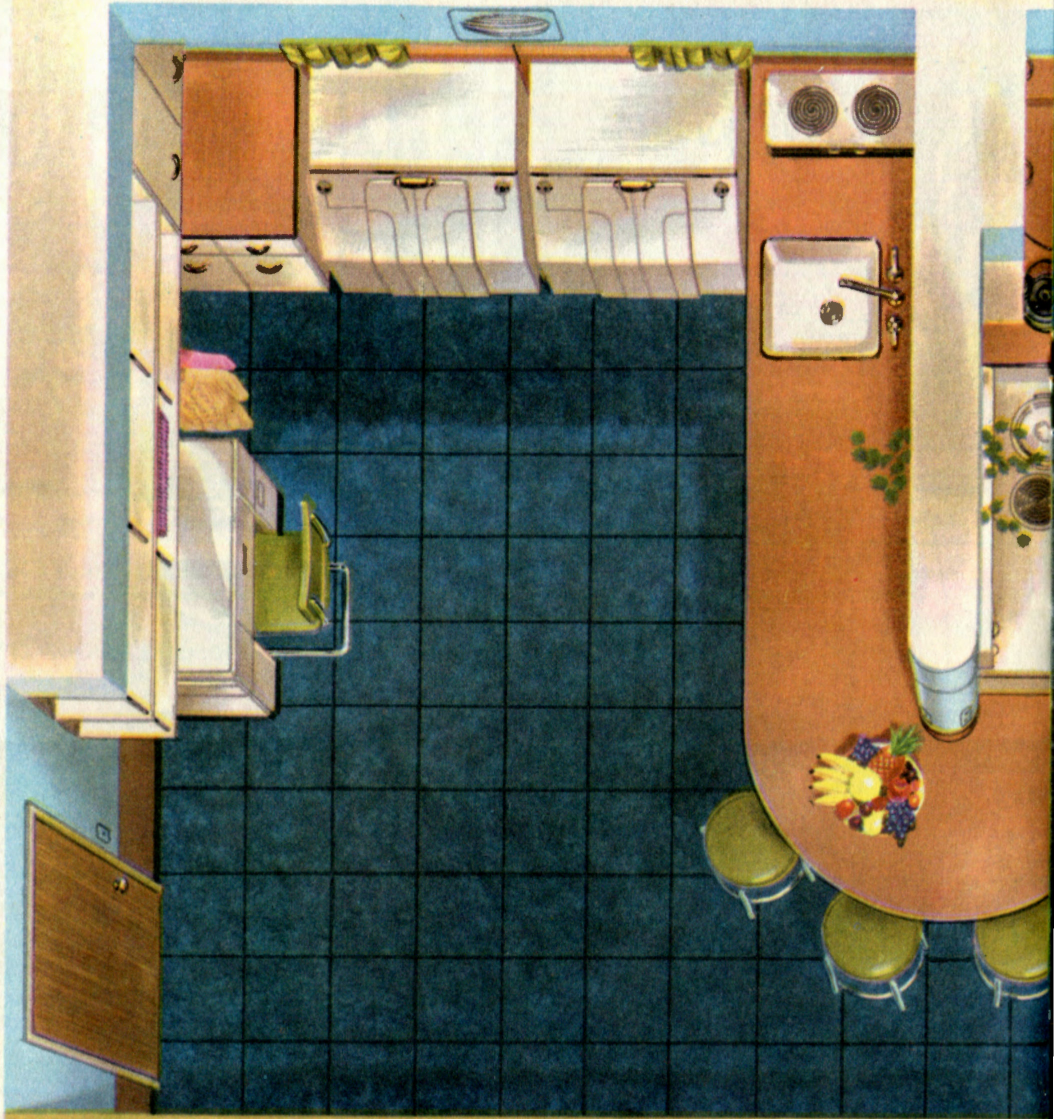


3. DRYING CENTER—Modern drying requires little space. Clothes may be tossed into an electric dryer as they are removed from the automatic washer. Minutes later they are ready to iron.



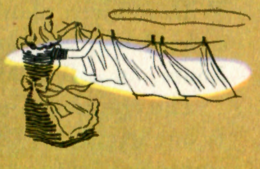
4. IRONING CENTER—Next to the clothes dryer comes the electric ironer. For convenience, plan space for a portable table. Shelves above the ironer provide a necessary place for finished laundry. An ironing board and outlet for electric iron should be included in this center.



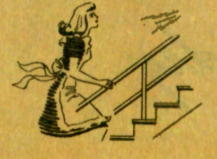


SAY GOOD-BYE TO THESE TIRING WASHDAY TASKS

No more heavy baskets of wet clothes to handle.



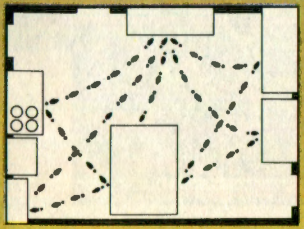
You'll be through hanging and taking down clothes.



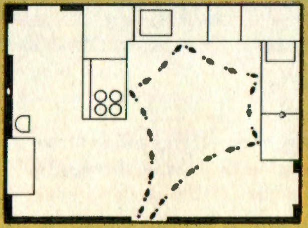
Automatic equipment saves frequent trips to the laundry.

Forget steaming tubs and the lifting of wet clothes and water.

HUNDREDS OF NEEDLESS STEPS SAVED BY PRACTICAL PLANNING

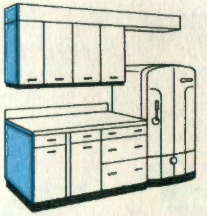


Hundreds of steps can be saved each day by proper placing of equipment. In the kitchen at the left, note how steps must be retraced repeatedly in order to do the same work accomplished in the room at the right with far less effort.

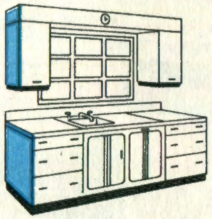


And the same sensible planning applied to the *Kitchen* . . .

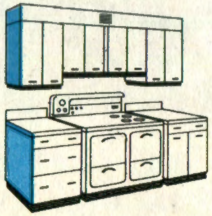
Work in any kitchen may be divided into three major tasks: *storing food and preparing it; cooking and serving food; and cleaning up.* To do these jobs easier, quicker and better, you need an electric refrigerator, electric sink and electric range, each serviced by cabinets and counter surfaces to form a work center, suitably illuminated. These three centers, properly arranged and outfitted, and planned so that work flows from one to another, make up the basic "planned" kitchen.



1. REFRIGERATOR AND PREPARATION CENTER. This is where food preparation starts. Most of the work in preparing food is done at this center. Therefore, it should include ample counter surface, in addition to storage space for refrigerated and nonrefrigerated foods.



2. SINK AND DISHWASHER CENTER. Since water is used for both food preparation and cooking, this center should always be between the refrigerator and range centers. For truly modern efficiency, it should include a sink . . . with a modern electric dishwasher, garbage disposer, plus adequate counter surface and storage cupboards.



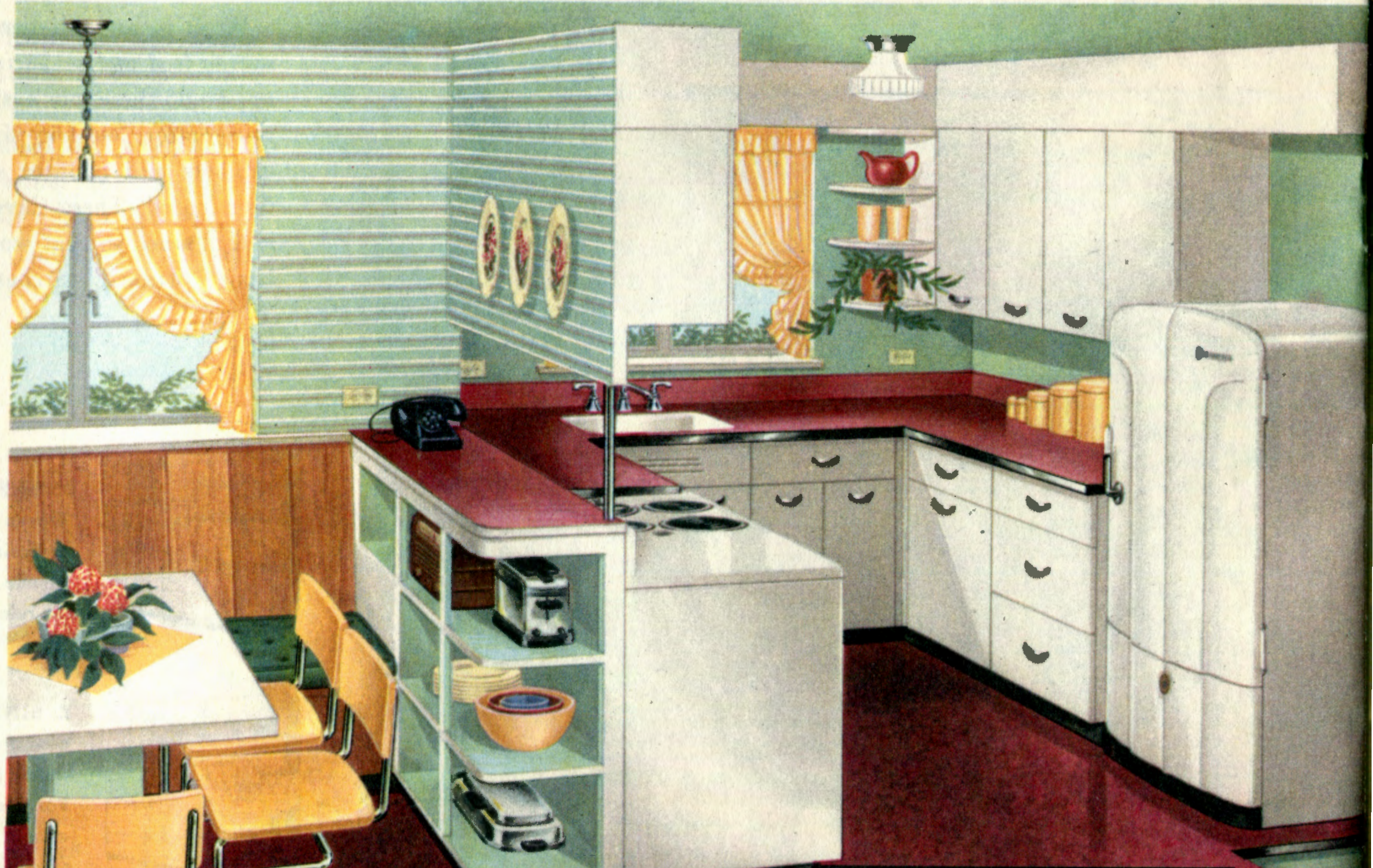
3. RANGE AND SERVING CENTER. This should be located near the dining room door to facilitate serving and to save steps. Added counter surfaces at range height are a great convenience. Ample storage space for cooking utensils and serving dishes should be included.

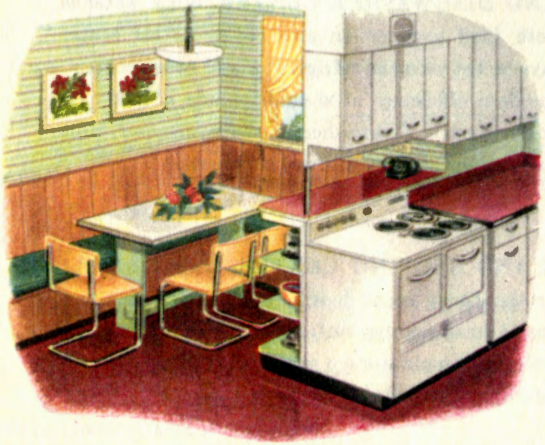
Naturally. . . . the kitchen must fit the size

For "Thrift" Homes

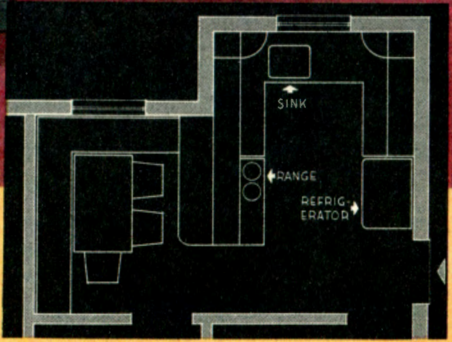
You, of course, must determine what degree of electrification you will have in your home. Actually, there are four degrees of Electrical Living: *Thrift*; *Budget*; *Ideal*; *and De Luxe* . . . one for every pocketbook.

Then, if low first cost is the determining factor, this "U" type "thrift" kitchen is compact, efficient and also provides adequate space for dining. Note that the food storage and preparation center is nearest to the service entrance. The fixed electrical equipment consists of an *electric range, refrigerator, ventilating fan and clock,* with enough convenience outlets to use portable appliances as they are required.



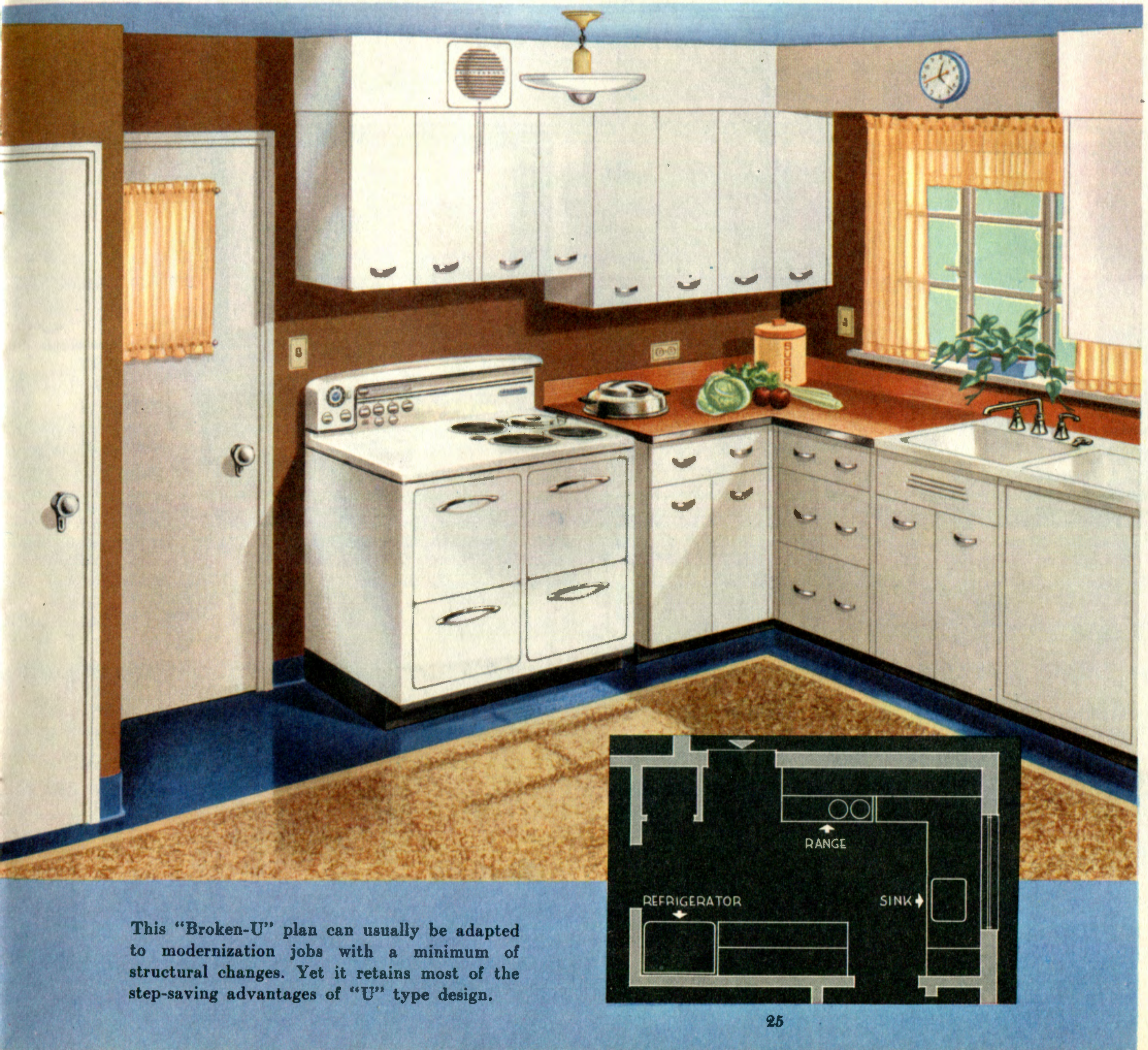


The electric range and serving center is placed near the space set aside for dining, thereby saving steps for busy homemakers.



The "U" type of kitchen, shown here, is very efficient because the counter surface is continuous around three sides of the room and traffic is kept out of the working area.

and class of home



This "Broken-U" plan can usually be adapted to modernization jobs with a minimum of structural changes. Yet it retains most of the step-saving advantages of "U" type design.

For "Budget" Homes

Even though your budget is limited, you can shorten the hours you spend in the kitchen by adding *an electric dishwasher* to the list of fixed electric equipment included in the "thrift" home. Therefore, your fixed equipment will include *an electric range, a refrigerator, a dishwasher, a ventilating fan and electric clock.* Also necessary, are the circuits and outlets to serve portable electric appliances. When distributed over the life of a house, the additional cost of an electric dishwasher is small, indeed.

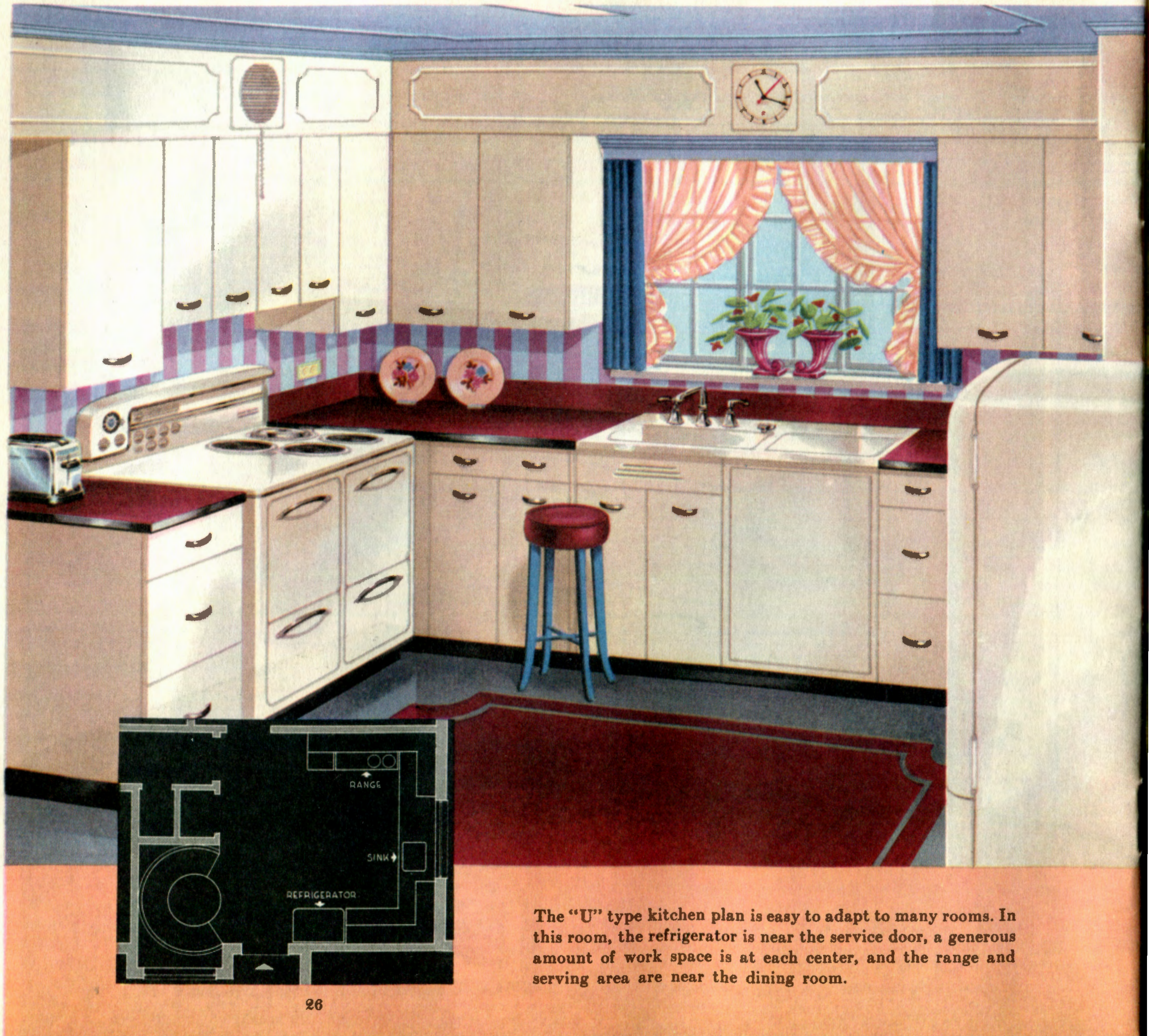
This is the food preparation center. Five feet of counter surface has been allowed immediately adjacent to the refrigerator. Tests have shown the necessity for this amount of space to avoid crowding.

Choose from these basic designs . . .

For "Ideal" Homes

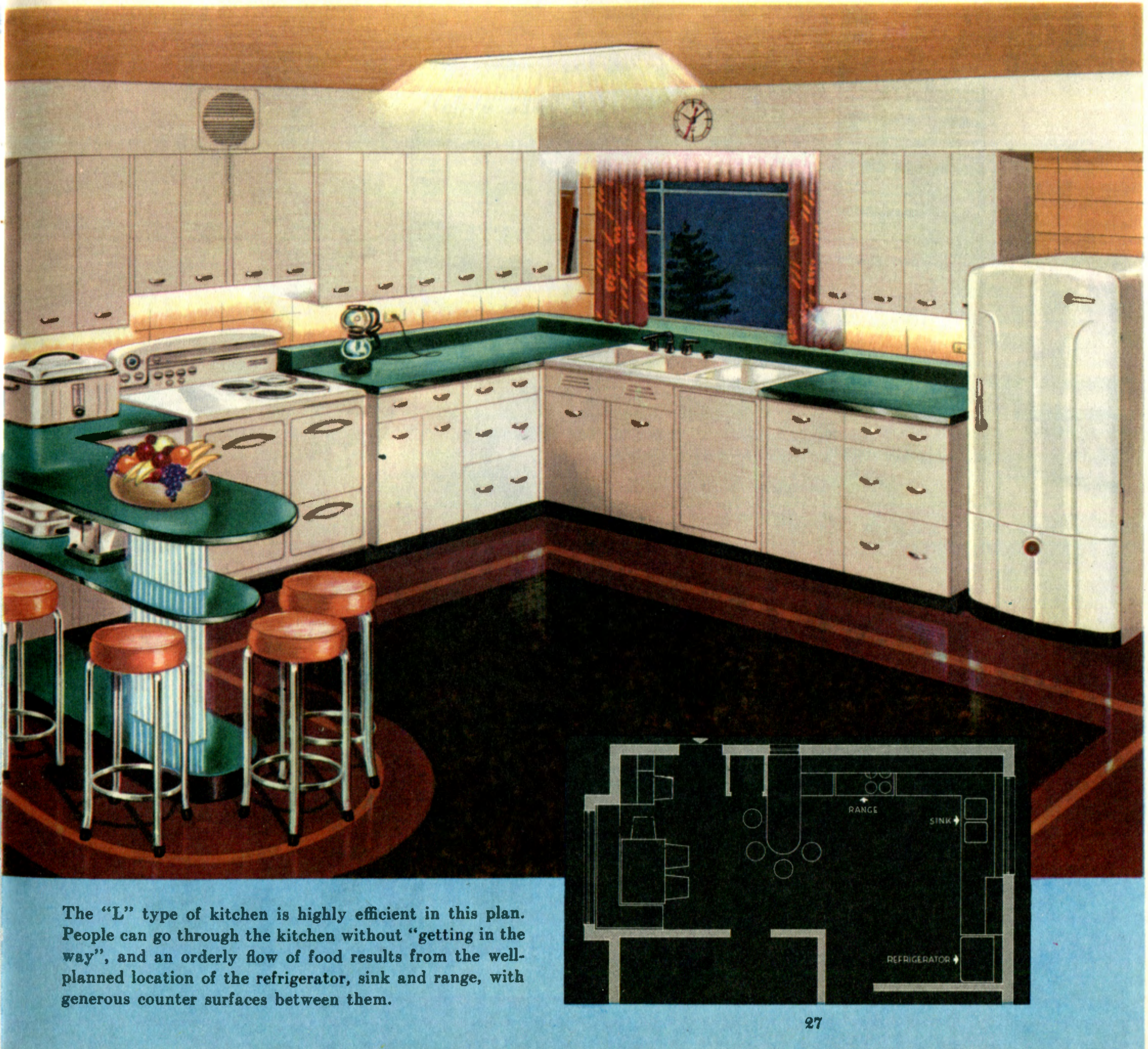
An "ideal" electric kitchen will be realized with an *electric refrigerator, electric range, dishwasher and garbage disposer, ventilating fan and clock,* supplemented by the usual portable table appliances that speed the preparation of meals with a minimum of effort. The addition of the garbage disposer makes the sink and dishwasher center self-sufficient, so that waste from preparing foods, as well as from dirty dishes, can be disposed of easily. Good lighting for See-Ability at all work centers should receive thorough consideration.

A breakfast nook is, of course, convenient for breakfast, as well as for quick lunches and late snacks; also for many regular meals, if it is wired for easy use of electric appliances.



The "U" type kitchen plan is easy to adapt to many rooms. In this room, the refrigerator is near the service door, a generous amount of work space is at each center, and the range and serving area are near the dining room.

then adapt them to *Your* plans



The "L" type of kitchen is highly efficient in this plan. People can go through the kitchen without "getting in the way", and an orderly flow of food results from the well-planned location of the refrigerator, sink and range, with generous counter surfaces between them.

For "Deluxe" Homes

Decorative lighting offers a distinctive new way to add character and color to kitchens so they will be attractive, as well as efficient. Recessed panels or concealed lighting in various colors can be incorporated readily into the decorative scheme.

Naturally, lighting for See-Ability should be provided at all work centers, including the planning center incorporated in this convenient kitchen. The service and snack bar, combined with a breakfast and play space, provide the maximum in step-saving.

Electrical equipment for this all-electric kitchen includes *a range, refrigerator, dishwasher, garbage disposer* and enough outlets for roaster, toaster, mixer, waffle baker and coffee maker. Of course, *a ventilating fan and clock* are included.

In the breakfast and planning space are ample convenience outlets for waffle baker, sandwich grill, toaster, coffee maker and other electrical appliances.

There's flexibility in good laundry planning, too!

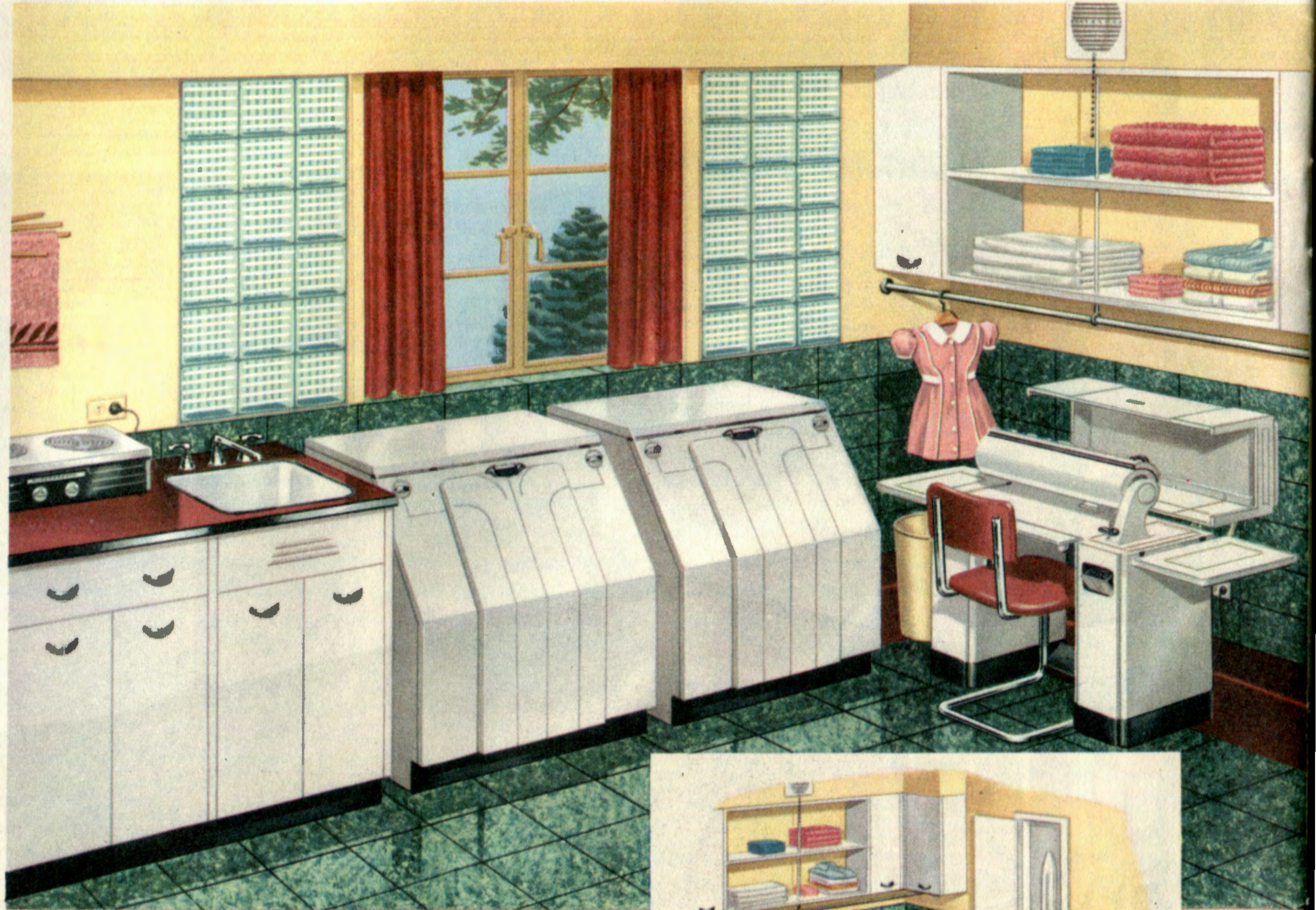
Now is the time to focus your ideas on the laundry you want

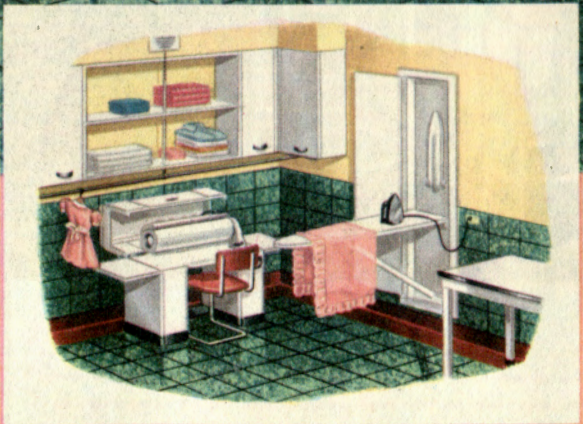
By thoughtful planning of your laundry, many hours can be saved and much of the fatigue and drudgery of "blue Mondays" ended. New developments in automatic electric equipment make a first floor location practical and convenient. Naturally, this planning should anticipate the addition of those pieces of new laundry equipment you require, or will add eventually.

These will include *an automatic washer* (Laundromat), which fills itself with water, rinses three times, spins clothes amazingly dry and shuts itself off. Instead of wrestling wet clothes and hanging them on the line, you'll want an *electric clothes dryer* that quickly completes the drying job, regardless of the weather.

You'll want a *modern electric ironer*, too, so you may do shirts, dresses and other garments easily and quickly.

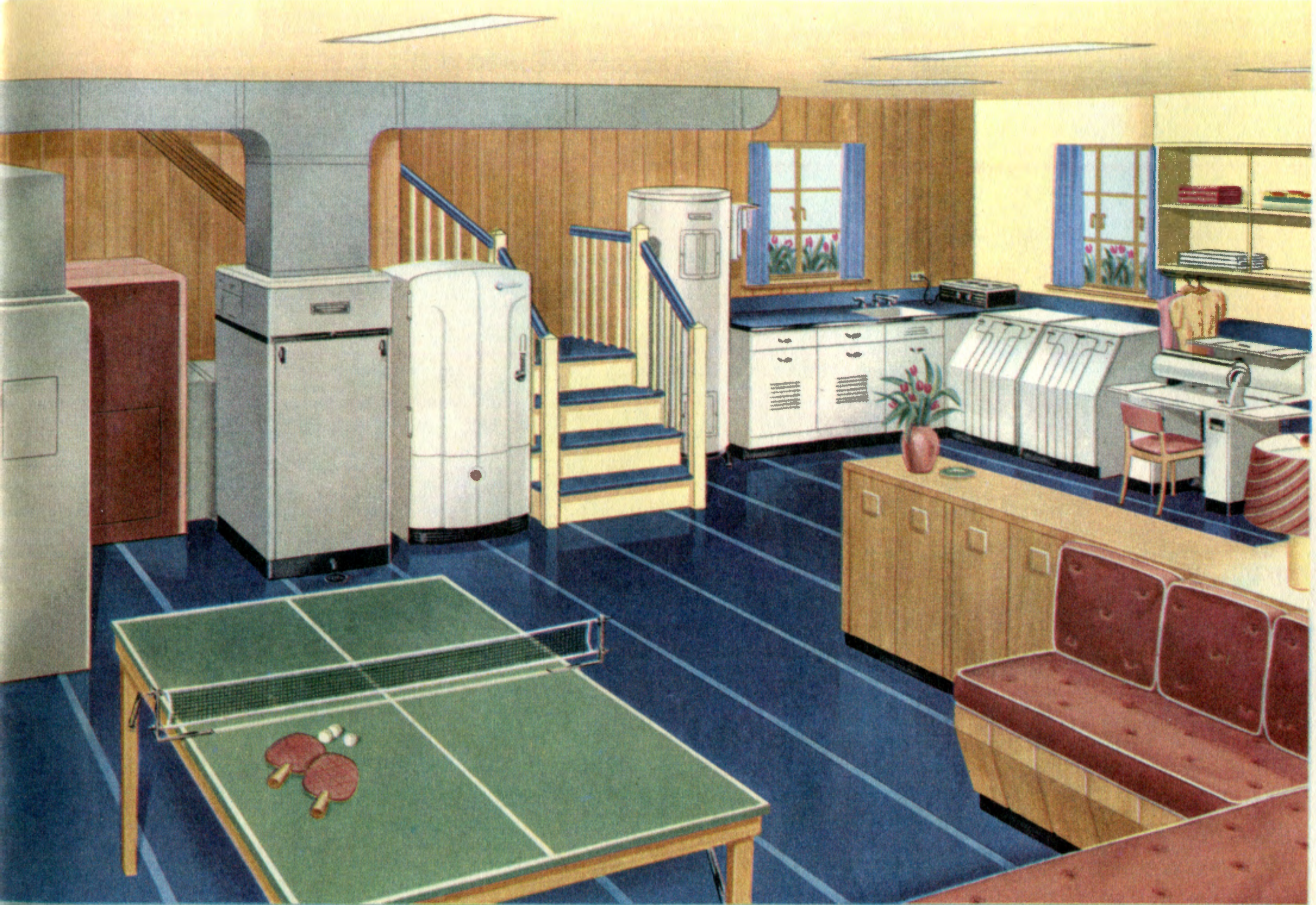
By planning for these conveniences in advance, you'll be able to make better use of your space, and make important savings in electrical and plumbing costs.



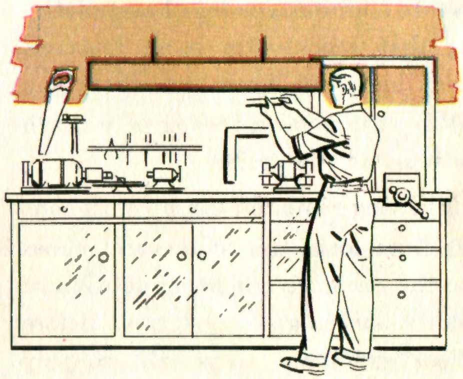


A complete ironing center will include a modern electric ironer, with convenient storage for finished work, and an ironing board with convenience outlet for an electric iron for finishing intricate pieces or emergency pressing jobs.

Another practical idea . . . the combination *Laundry-utility room*

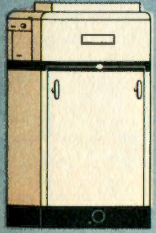


You'll like the attractive, compact, and efficient modern laundry appliances, air-cleaning and cooling equipment. Designs and finishes are so handsome that the equipment may be planned as part of a room usable for recreational activities. Space formerly made unattractive because of the appearance of laundry equipment, and untidiness of space caused by handling wet clothes can be used to advantage for hobby corners, game rooms, and the like.

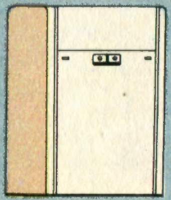


A home workshop

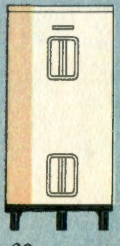
No matter what your hobby, there are ways electricity will add to your enjoyment. Electric tools, for example, are important in the home workshop.



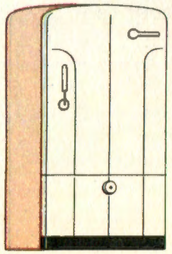
Air cleaned electronically. With a Precipitron, smoke and other particles are removed from the air so completely that far less cleaning and redecorating are required.



Modern automatic heating and cooling. Electricity makes automatic temperature and humidity control possible the year 'round. It operates heating and cooling equipment without attention.



Plenty of hot water whenever you want it. With an electric water heater, an automatic thermostat maintains any water temperature desired from 120° to 170°. You never have to go near the heater.



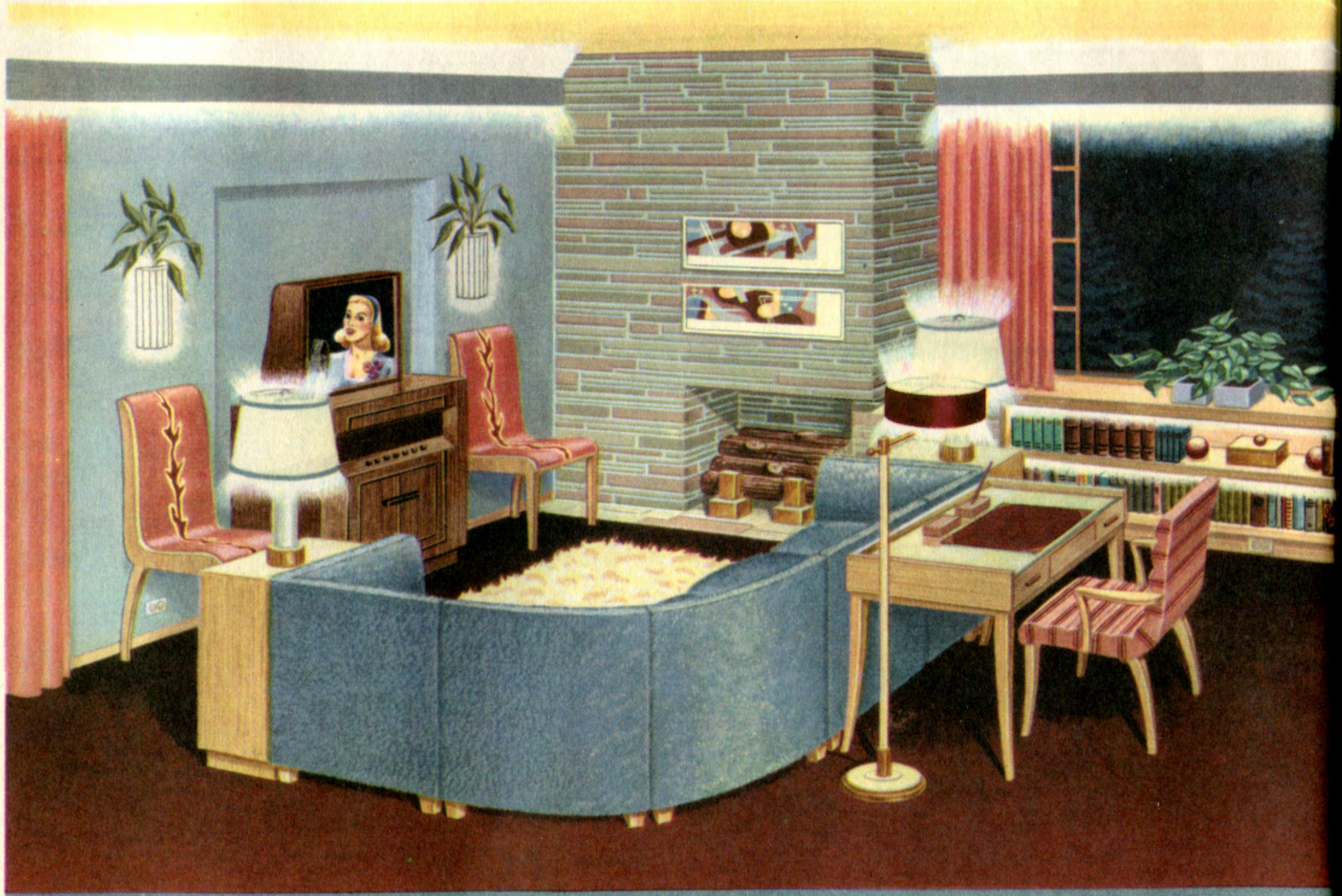
Quick frozen food the year 'round. With a home freezer, you can enjoy the garden freshness of foods at any season, and benefit from the savings possible by buying when prices are lowest.

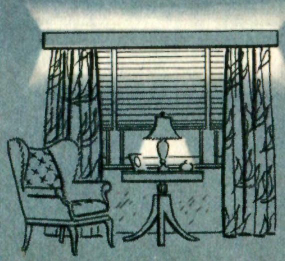
New ideas in See-Ability ... to enhance the beauty and

All through the house, lighting offers exciting new possibilities. Most important, of course, is to have the right kind and correct amount of light for See-Ability. Modern lighting will provide strong enough light that you may sew, read or work in comfort, without eyestrain. You will have freedom from glare. And absence of shadows. In addition, you may have colorful lighting that accentuates room features, that adds brilliance when and where you want it or that gives a feeling of warmth or quietness, as you desire.

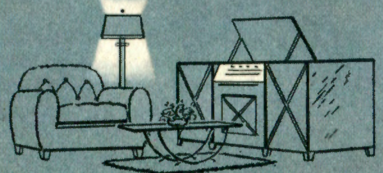
In this living room, for example, ribbons of light from long, thin fluorescent tubes provide the decorative lighting at window and wall valance, and bookcases. Before long, floor and table lamps will probably be a combination of fluorescent and incandescent light.

Soft background lighting is provided in the dining room by lines of fluorescent light concealed behind valance boards over the window and mirror section. The table is high lighted for dining by a pinhole spot in the ceiling.



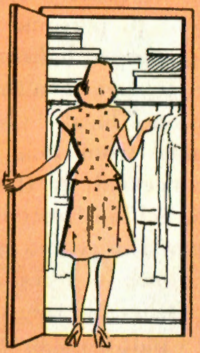


◄ Most dramatic effect with lighting is obtained with fluorescent light in subdued colors. This decorative treatment is effective when used in coves, valances, bookshelves, corner cabinets and niches. ►

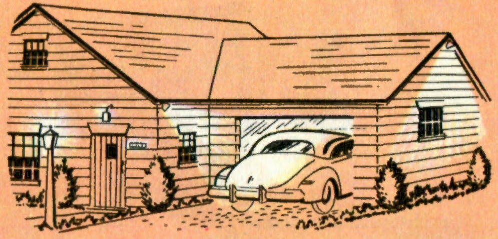


In addition to having enough regular convenience outlets to take care of the many common pieces of electrical equipment, special outlets for radio and television should be suitably located.

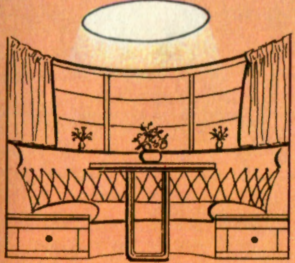
increase the comfort of your home



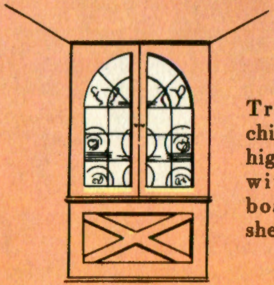
Dark closets have no place in modern homes. An inexpensive electric light offers a simple solution. It may be controlled by an automatic door switch.



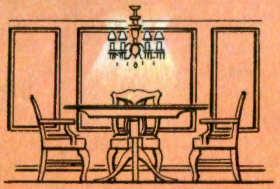
Both exterior and interior garage lighting are desirable, and should be planned to meet the particular needs dictated by the location of the house.



The latest types of lighting fixtures for general illumination are designed to distribute light more uniformly.



Treasured bric-a-brac, china and crystal can be high lighted dramatically with illuminated cupboards, cases or corner shelves.

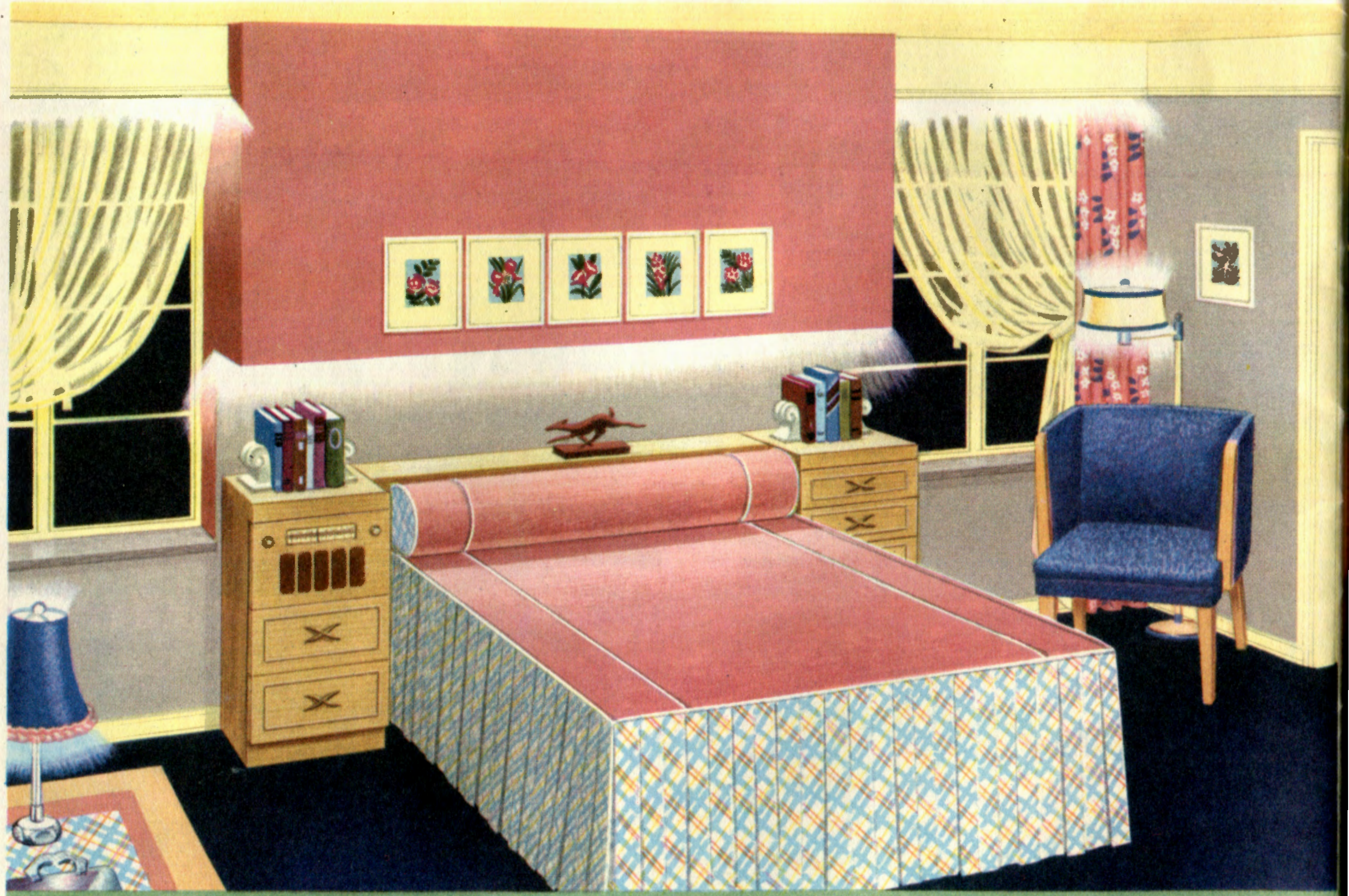


Conventional and widely accepted dining room lighting is accomplished by means of direct, semi-indirect and indirect fixtures.

Better Health and greater comfort through electrical planning

In the bedroom and bath there are many ways in which electricity can improve health and add to personal comfort. Among these is proper lighting for See-Ability—adding to eye health and comfort. In this room, local light for reading in bed comes from long, thin fluorescent tubes concealed in the bed recess. Similar tubes, behind frosted glass panels on each side of the center mirror section, provide shadowless illumination at the vanity table. Other lighting in the room is obtained by window valances and several floor and table lamps.

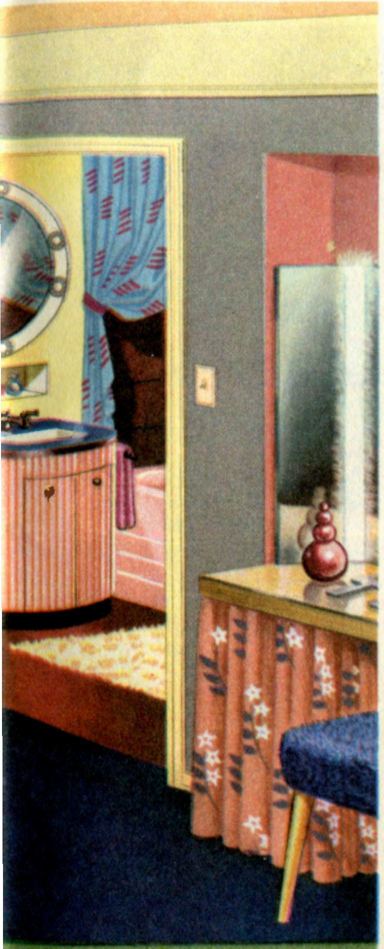
In the bath, a halo of shadowless light for shaving and make-up is provided by straight or circular fluorescent tubes, concealed behind the mirror. Sun lamps, heat lamps and Sterilamps all are effective aids to health and should be planned for when designing bedrooms. Provide wiring for these when planning.



For good illumination at mirrors, the light should shine on the face or figure, rather than on the mirror. The light here is reflected from concealed tubes.

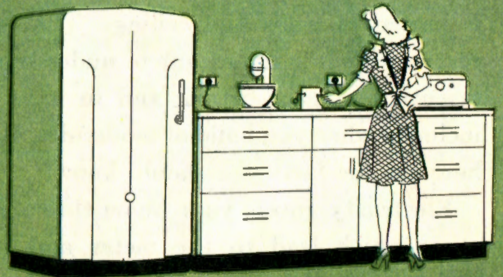
A radio at the bed with good light for reading helps bring peaceful slumber. Electric heating pads and blankets are other modern uses for electricity that emphasizes the importance of having plenty of convenience outlets.→

For *Peak efficiency*...be sure you have these four wiring essentials



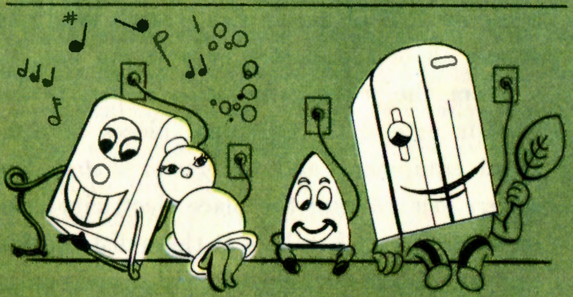
1. Have an outlet handy for each appliance

There should be several outlets in each room so that there will be one handy for every appliance or lamp, thus eliminating the unsightly tangle of extension cords. Do not put too many outlets on a single circuit.



2. Include an ample number of circuits

Circuits are the highways over which electricity travels. The amount of electricity a circuit can supply is limited. If you are preparing a meal and have too many appliances operating at a time on one electric circuit, it may be overloaded and go out of service. However, if the appliances are connected to several circuits, all will work without interruption, provided that the electric supply line is of sufficient capacity.



3. Provide modern circuit protection

Protect every circuit against effects of short circuits and continued overloads, the modern way, with an automatic circuit breaker. Install it in some convenient place, such as a kitchen wall, where it's easy to reach. Should trouble occur, the circuit breaker will trip; then remove the cause, flick the lever back in place and service is restored.

4. Get quality wiring devices and workmanship

Electrical wiring is buried in the walls of the house, and is costly to replace. The best insurance against this unnecessary expense is to insist on quality wiring devices and materials and expert workmanship. Ask your architect, engineer, builder, contractor or local electric utility for recommendations.

Hidden details ...of electrical wiring that control the economy

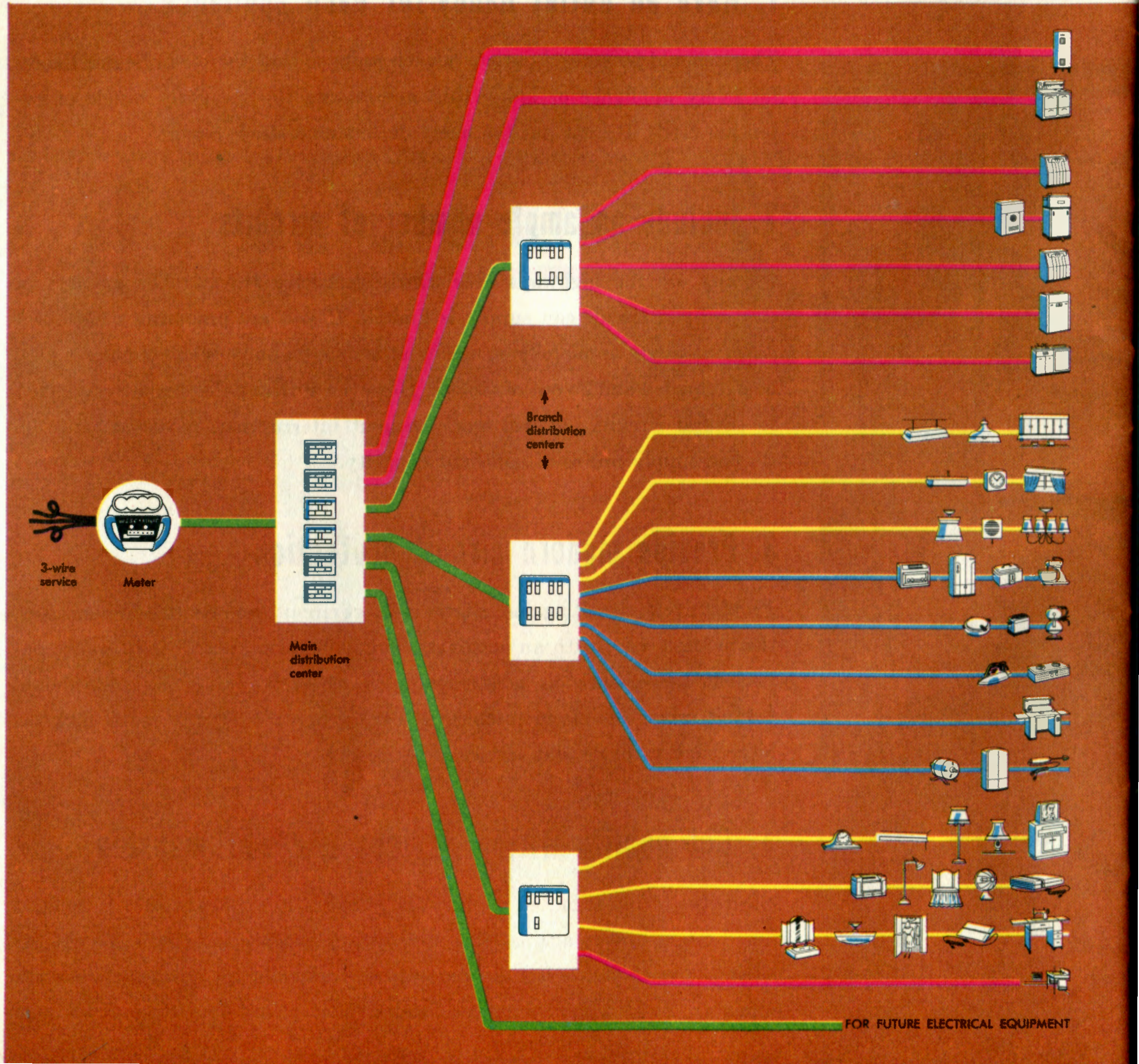
When a house is built, the electrical wiring is buried in walls and ceilings. That is one reason why it is important to understand the essentials of good wiring and to have them included when you build or modernize. Briefly, here are the facts you should know!

Electricity enters your home through *three wires* which lead to the meter and to the main distribution center. This service entrance equipment, if of ample size, stands ready to supply all of the electricity you can use.

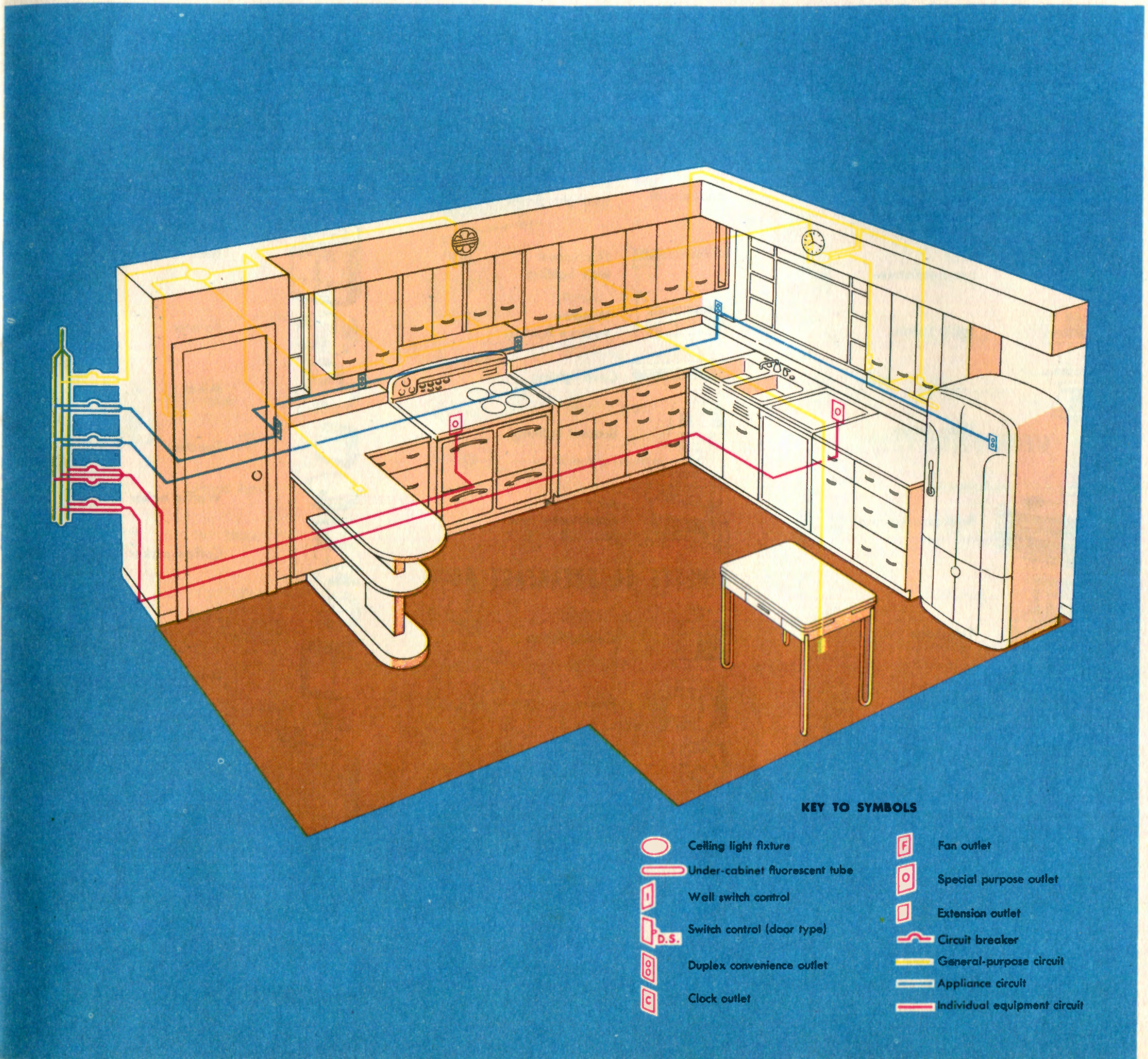
From the *main distribution center,* feeder circuits extend to individual pieces of electrical equipment and to *branch distribution centers* located near the place electricity is to be used. Circuit breakers at these distribution centers protect your electric wiring and equipment from the danger of overheating due to short circuits or overloads.

Circuits lead from these distribution centers to points of utilization. Along the circuits, outlets for *lighting, switch control, convenience* and *special purpose* should be placed for use when and as needed.

The number of circuits required depends on the electric equipment served. It is, therefore, important to have not only *enough outlets,* but *enough circuits* of ample size to serve all of your lighting and electrically operated home appliances.



and efficiency of your present and future electrical servants



In order to have enough circuits to deliver electricity efficiently and economically where you need it, it is necessary to plan carefully before you build or modernize. Planning this way will give you an orderly system of wiring at minimum cost, yet it will be most efficient.

Since the various pieces of electrical equipment in the home require different voltages and also draw varying amounts of electrical current your architect, builder and electrical contractor must know in advance what electrical equipment you have, or will want to plan for.

For instance, an electric range and an electric clothes dryer both require an "individual circuit" because of the relatively large amount of current they draw; whereas, your refrigerator, food mixer and toaster may be served by a common appliance circuit.

In the kitchen at the left, after the electrical equipment has been decided upon and the plan of the room has been completed, your architect, builder or electrical contractor can quickly determine *how many circuits will be required,* where these circuits should be and what appliances each one should serve. Each room of your house should be studied in the same way.

Decide now . . . on the electrical living you will

Electricity plays so many parts in the modern home that it is difficult to remember them all. Here is a reminder list to help with your planning.

It includes the most common uses of electricity in the past, as well as some of the new things to come. There are others, of course.

Study the list carefully and check the items you have now, and those you will want in the not too distant future. Tell your architect, builder or electrical contractor that you want *wiring* to serve the items you have checked. It will help him give you the electrical system you need.

LIVING ROOM

- Ceiling lighting fixtures ☐
- Cove lighting ☐
- Window valance lighting ☐
- Wall bracket fixtures ☐
- Table lamps ☐
- Floor lamps ☐
- Bookcase lighting ☐
- Television ☐
- Clock ☐
- Portable heater ☐
- Portable fan ☐
- Air conditioning unit ☐

DINING ROOM

- Ceiling fixture ☐
- Pinhole spotlight projector ☐
- Fluorescent wall lighting ☐
- Window valance lighting ☐
- Cove lighting ☐
- Bracket lighting ☐
- Air conditioning unit ☐

DINETTE OR BREAKFAST NOOK

- Ceiling fixture ☐
- Radio ☐
- Clock ☐
- Toaster ☐
- Waffle baker ☐
- Coffee maker ☐

KITCHEN

- Ceiling fixture ☐
- Recessed light over sink ☐
- Under-cabinet lighting ☐
- Electric range ☐
- Roaster ☐
- Mixer ☐
- Toaster ☐
- Waffle baker ☐
- Coffee maker ☐
- Clock ☐
- Dishwasher ☐
- Garbage disposer ☐
- Electric refrigerator ☐
- Ventilating fan ☐
- Radio ☐
- Metal kitchen cabinets ☐

want in your home....then wire for it!

LAUNDRY

- Ceiling fixture ☐
- Ironing board light ☐
- Laundromat ☐
- Clothes dryer ☐
- Ironer ☐
- Hand iron ☐
- Hot plate ☐
- Ventilating fan ☐
- Clock ☐
- Sewing machine ☐

BEDROOMS

- Ceiling fixture ☐
- Bracket fixture ☐
- Bed light ☐
- Table lamps ☐
- Dresser lights ☐
- Bed nook lighting ☐
- Radio ☐
- Sterilamp ☐
- Heating pad ☐
- Electric blanket ☐
- Sun lamp ☐
- Heat lamp ☐
- Curling iron ☐
- Sewing machine ☐
- Portable fan ☐
- Air conditioning unit ☐
- Night light ☐

BATH

- Ceiling fixture ☐
- Mirror lighting ☐
- Shower lighting fixture ☐
- Night light ☐
- Heat lamp ☐
- Built-in heater ☐

RECREATION ROOM

- Ceiling fixture ☐
- Wall brackets ☐
- Wall clock ☐
- Exhaust fan ☐
- Portable fan ☐
- Radio ☐

UTILITY ROOM

- Ceiling fixture ☐
- Workbench light ☐
- Furnace blower ☐
- Precipitron air cleaner ☐
- Electric water heater ☐
- Central air cooling unit ☐

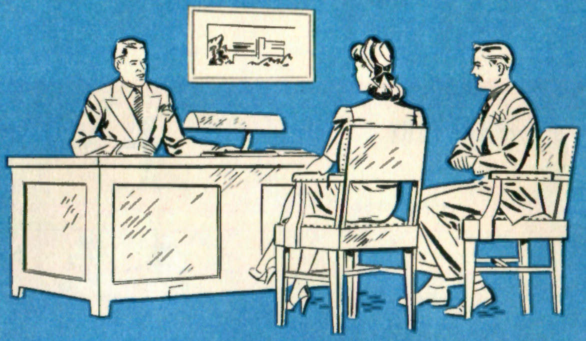
MISCELLANEOUS

- Home freezer ☐
- Automatic closet lighting ☐
- House number and step lights ☐
- Outdoor living lighting ☐
- Entrance lighting ☐
- Garage lighting ☐
- Pedestal fan ☐
- Electric tools ☐
- Vacuum cleaner ☐

To get practical help with your *planning*

Your architect can help

It is the business of architects to fit houses to families, rather than to fit families to houses. Since lighting, as well as electrical appliances, plays a vital role in the modern home, there is much need for an expert planner in fitting this into the pattern of your home. The architect is best qualified to fit the electrical part of the home pattern to your family needs. He is skilled in dovetailing the intricacies that go to make up a complete home, qualified to specify the right kind of material for your particular home and most helpful in supervising the work during construction.

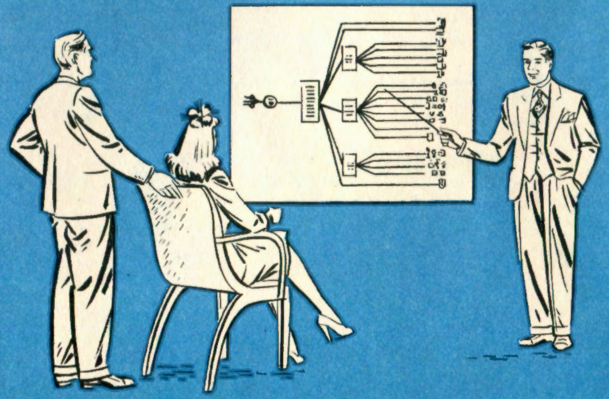


Your builder can help

It is your builder's business to produce a well-built house. A reputable builder will get the highest quality material, and will build you a home with first-class workmanship. He will be glad to explain to you the importance of hidden details, such as electrical wiring, and he will also tell you why you will save money in the long run by having "Better Wiring" throughout your home.

Your local electric utility can help

Your Electric Utility knows about all the types of electrical equipment for homes, and new things to come. It knows how homes should be wired when they're built, so you can get the best and most economical service from your electrical equipment, and so that you can add new equipment later without expensive extras or alterations. Your electric utility can tell you what it will cost to operate different pieces of equipment, and how to get the greatest value from them. It will be glad to help with your planning of both the equipment and the wiring you should have.



ADEQUATE WIRING
BETTER WIRING FOR BETTER LIVING
SERVES AND SAVES

THIS KEY . . . the emblem of the National Adequate Wiring Bureau . . . symbolizes the goal of better wiring in homes of tomorrow. The National Adequate Wiring Bureau, with headquarters at 155 E. 44th Street, New York, is sponsored by a group of national organizations interested in improving wiring practices throughout the building industry. Westinghouse Electric Corporation, a member of the Bureau, gives support to this important activity.

Quality products

The life of the electrical equipment you buy will depend upon how well it is made. In the manufacture of quality products, every step of the manufacturing process must be controlled carefully, not only in the plant of the manufacturer, but in the factories of those who supply the raw materials, as well.

Every product made by Westinghouse passes rigid tests of Quality Control. At every step of production the Westinghouse Quality Control staff has hundreds of highly trained engineers and experts who spend their entire time checking materials and assemblies.

On ranges alone, hundreds of individual checks and tests are made, and every other product of the company receives the same complete and thorough inspection.

All of the skill and devices known to science are used to make sure that each and every Westinghouse appliance will put on a star performance, not only the day it is bought, but many years later.

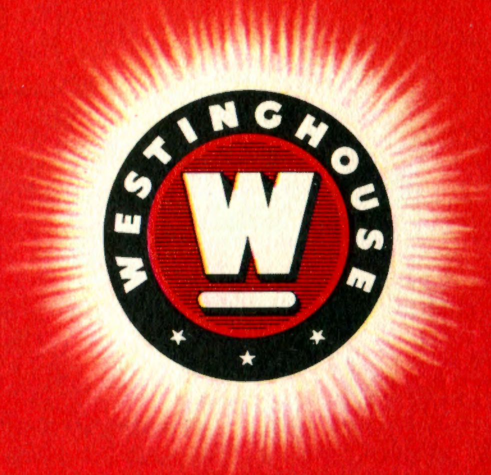
To give you complete facts about Westinghouse products, each one has an informative label attached. These labels contain no advertising. They give construction details, operating and guarantee information and other facts to help you determine their value, and proper use. The label is sealed on at the factory—only to be removed by the customer after purchase.

BETTER HOMES DEPARTMENT

WESTINGHOUSE ELECTRIC CORPORATION • PITTSBURGH 30, PA.

Westinghouse products for the home . . . manufactured at:

Home Appliances	Mansfield, Ohio
Fans, Refrigeration Specialties	East Springfield, Mass.
Lamps, Sun Lamps	Bloomfield, N. J.
Radio Receivers	Sunbury, Pa.
Precipitron, Air Conditioning	Jersey City, N. J.
Bryant Wiring Devices	Bridgeport, Conn.
Circuit Breakers	East Pittsburgh, Pa.
Electric House Heating Equipment	Emeryville, California



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